

### Question 1

The purpose of a database is to help people keep track of things.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904352>

### Question 2

Question 1. For a workstation running the Windows operating system, a commonly used Web browser is Microsoft Internet Explorer.

- true
- false

Question 2. For a workstation running the Windows operating system, a commonly used file system utility is Microsoft Internet Explorer.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906343>

### Question 3

ADO.NET provides the capability to create and process in-memory databases called DataSets.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905916>

### Question 4

What are objects, and how are they related to the object-oriented DBMS (OODBMS)?

Answer: <https://biology-forums.com/index.php?topic=1906092>

### Question 5

Explain the steps in the process of putting a relation straight into Boyce-Codd Normal Form (BCNF).

Answer: <https://biology-forums.com/index.php?topic=1904765>

### Question 6

What Microsoft Access file format is used by default in Microsoft Access 2016? When was it introduced, and what was the previous format?

Answer: <https://biology-forums.com/index.php?topic=1906119>

### Question 7

What are SQL stored procedures and how are they used?

Answer: <https://biology-forums.com/index.php?topic=1905226>

### Question 8

RFM scores commonly range from \_\_\_\_\_, with \_\_\_\_\_ being the "high" or "most desirable" (from the vendor's point of view) score.

- 0 to 5; 0
- 0 to 5; 5
- 1 to 5; 1
- 1 to 5; 5

Answer: <https://biology-forums.com/index.php?topic=1906051>

### Question 9

Which of the following is true about the SQL Server Import and Export Wizard?

- The spreadsheet data must already be normalized to be imported.
- There may be problems importing Excel 2016 data and we may need to install Excel 2007 compatibility software.
- The Import and Export Wizard sometimes creates blank rows at the end of the imported table.
- Both There may be problems importing Excel 2016 data and we may need to install Excel 2007 compatibility software and The Import and Export Wizard sometimes creates blank rows at the end of the imported table are correct.

Answer: <https://biology-forums.com/index.php?topic=1905515>

### Question 10

Question 1. Which of the following is a common supervised data mining technique?

- Cluster analysis
- Regression analysis
- RFM analysis
- SQL analysis

Question 2. Which of the following popular data mining techniques does not require special software?

- Decision tree analysis
- Logistic regression analysis
- Market basket analysis
- Neural networks

Answer: <https://biology-forums.com/index.php?topic=1906375>

### Question 11

What are the different types of conformance levels within the ODBC standard, and why do they exist?

Answer: <https://biology-forums.com/index.php?topic=1906001>

### Question 12

Question 1. Here is Market Basket data for 1,000 transactions at a Drug Store. All transactions involve 1 or 2 drugs. Use the table below to answer the following questions.

1,000

Transactions Drug A

500 Drug B

300 Drug C

200 Drug A 100 125 Drug B 100 2575 Drug C 125 750 No Additional Drug 275 1000

Refer to the table above. What is the confidence of Drug B being purchased given that Drug A has been purchased?

- .200
- .250
- .333
- .400

Question 2. Here is Market Basket data for 1,000 transactions at a Drug Store. All transactions involve 1 or 2 drugs. Use the table below to answer the following questions.

1,000

Transactions Drug A

500 Drug B

300 Drug C

200 Drug A 100 125 Drug B 100 2575 Drug C 125 750 No Additional Drug 275 1000

Refer to the table above. What is the lift for Drug B being purchased given that Drug A has been purchased?

- .200
- .250
- .333
- .667

Answer: <https://biology-forums.com/index.php?topic=1906378>

### Question 13

Paradox is the only major survivor of the "bloodbath of PC DBMS products."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904443>

### Question 14

What components are included in a database?

Answer: <https://biology-forums.com/index.php?topic=1904488>

### Question 15

Data warehouses also store the data warehouse metadata.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906020>

### Question 16

Question 1. Keys may include all of the following except \_\_\_\_\_.

- primary keys
- unique secondary keys
- nonunique secondary keys
- nonunique primary keys

Question 2. The term set refers to all records that have the same \_\_\_\_\_.

- primary key
- unique secondary key
- nonunique secondary key
- search key

Answer: <https://biology-forums.com/index.php?topic=1906336>

### Question 17

To insert non-sequential data into a MySQL table that uses AUTO\_INCREMENT, \_\_\_\_\_.

- disable AUTO\_INCREMENT
- temporarily remove AUTO\_INCREMENT
- use the AUTO\_INCREMENT\_INSERT command
- Both disable AUTO\_INCREMENT and use the AUTO\_INCREMENT\_INSERT command are correct

Answer: <https://biology-forums.com/index.php?topic=1905790>

### Question 18

Question 1. The CAP theorem states that all three properties (consistency, availability, and partition tolerance) can be guaranteed at the same time when properly created.

- true
- false

Question 2. Column family databases may use columns, super columns, column families, and super column families.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906383>

### Question 19

Explain the Oracle Database PL/SQL cursor statements.

Answer: <https://biology-forums.com/index.php?topic=1905718>

### Question 20

For database development, a challenge to the relational model and the use of SQL is known as \_\_\_\_\_.

- the Web services movement
- the NoSQL movement
- the SOAP movement
- the XML movement

Answer: <https://biology-forums.com/index.php?topic=1904484>

### Question 21

Question 1. The CAP theorem defines the three properties, one of which is authorization.

- true
- false

Question 2. The CAP theorem defines the three properties, one of which is partition tolerance.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906381>

### Question 22

The WHERE clause contains the condition that specifies which rows are to be selected.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904514>

### Question 23

The 1977 edition of this text contained a chapter on the relational model, and that chapter was reviewed by E. F. Codd.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904441>

### Question 24

A composite identifier is defined as a composite attribute that is an identifier.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904911>

### Question 25

The UNION of two relations A and B consists of all rows that are either in relation A or in relation B or both.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904558>

### Question 26

A deletion anomaly exists when deleting data about one entity results in the loss of data about another entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904704>

### Question 27

The Oracle Database Configuration Assistant is the easiest tool to use when you are creating an Oracle database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905614>

### Question 28

To check for null values in a column in a table, use the \_\_\_\_\_ phrase.

- IS
- IS NOT
- IS NULL
- COUNT(NULL)

Answer: <https://biology-forums.com/index.php?topic=1904850>

### Question 29

A correlated subquery looks very different from a noncorrelated subquery.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905234>

### Question 30

A surrogate key should be considered when the key contains a lengthy text field.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905014>

### Question 31

A nested SELECT statement, one that appears within the WHERE clause of another SQL statement, is called a subquery and must be enclosed in parentheses.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1904545>

### Question 32

The MySQL Installer for Windows can be used to install the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906205>

### Question 33

When representing a one-to-many relationship in a relational database design, \_\_\_\_\_.

- the parent is always on the one side of the "one-to-many" relationship
- the child is always on the one side of the "one-to-many" relationship
- either parent or child can be on the one side of the "one-to-many" relationship, and the choice is arbitrary
- either parent or child can be on the one side of the "one-to-many" relationship, and special criteria indicate which table should be on the one side

Answer: <https://biology-forums.com/index.php?topic=1905077>

### Question 34

The authors refer to the data model produced by reverse engineering as the RE data model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905257>

### Question 35

Question 1. A report that is sent to users only upon the user's request is called on-demand report.

- true
- false

Question 2. Report systems include three functions: authoring, management, and delivery.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906367>

### Question 36

Snowflake schemas have normalized \_\_\_\_\_.

- fact tables
- dimension tables
- map tables
- reduce tables

Answer: <https://biology-forums.com/index.php?topic=1906050>

### Question 37

Denormalization is the process of joining previously normalized tables back together.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904799>

### Question 38

In Microsoft Visio 2016, how do we create database designs?

Answer: <https://biology-forums.com/index.php?topic=1906202>

### Question 39

A database consists of integrated tables, which store \_\_\_\_\_.

- reports
- data and relationships among the data
- forms
- Both reports and forms are correct

Answer: <https://biology-forums.com/index.php?topic=1904467>

### Question 40

A database system is typically defined as its four components: users, database applications, the DBMS and the databases.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904364>

### Question 41

HTML is an application of \_\_\_\_\_.

- SGML
- XML
- SOAP
- XSLT

Answer: <https://biology-forums.com/index.php?topic=1905995>

### Question 42

Adding new tables and relationships to a database is difficult.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905280>

### Question 43

Depending on the DBMS, when changing the minimum cardinality on the parent side from zero to one, the foreign key constraint that defines the relationship may have to be dropped before the change is made and re-added afterwards.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905276>

### Question 44

Although Microsoft Excel 2016 will create a PivotTable report using SQL Server 2017 data, it does not have formatting tools that can be used with the report.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906035>

### Question 45

SQL statements can be passed to SQL Server using the \_\_\_\_\_.

- Enterprise Manager
- Query Analyzer
- Microsoft SQL Server Management Studio
- Both Enterprise Manager and Query Analyzer are correct

Answer: <https://biology-forums.com/index.php?topic=1905502>

### Question 46

A means must be created to recover all test databases to their original state during the redesign testing process.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905261>

### Question 47

To represent an IS-A relationship in a relational database design, the IS-A relationship must be converted into a HAS-A relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905051>

### Question 48

An attribute that determines which subtype is appropriate is called a discriminator.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904942>

### Question 49

When designing a database, first identify the entities, then determine the attributes, and finally create the relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904924>

### Question 50

The Microsoft Access 2016 tabbed Ribbon contains a set of control tabs.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906097>

### Question 51

In 1:N relationships, the table on the "one" side is called the parent.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905029>

### Question 52

JSP pages are automatically re-compiled if the uncompiled JSP page is newer than the compiled version of the page.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905935>

### Question 53

Cascading deletions are generally not used with relationships for weak child entities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905061>

### Question 54

Schema is the MySQL synonym for database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905731>

### Question 55

What type of attribute is composed of other attributes?

- Simple
- Group
- Compound
- Composite

Answer: <https://biology-forums.com/index.php?topic=1906237>

### Question 56

SQL Server supports three types of indexes: clustered, unclustered, and random.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905462>

### Question 57

Which statement is not true about the relational model?

- It was first proposed in 1970.
- It was developed by E. F. Codd.
- It was developed at Oracle.
- It resulted in the DBMS product DB2.

Answer: <https://biology-forums.com/index.php?topic=1904480>

### Question 58

Briefly describe PHP.

Answer: <https://biology-forums.com/index.php?topic=1906007>

### Question 59

SQL is only a data manipulation language (DML).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904499>

### Question 60

Which of the following is a type of OLE DB data provider?

- Relational data provider
- Method provider
- Sequential data provider
- Tabular data provider

Answer: <https://biology-forums.com/index.php?topic=1905970>

### Question 61

To change a table name, we \_\_\_\_\_.

- use the RENAME TABLE command
- use the ALTER TABLENAME command
- use the MODIFY TABLENAME command
- create a new table, move the data, and drop the old table

Answer: <https://biology-forums.com/index.php?topic=1905304>

### Question 62

A Customer Resource Management (CRM) system is an example of a(n) \_\_\_\_\_.

- single-user database application
- multiuser database application
- e-commerce database application
- digital dashboard

Answer: <https://biology-forums.com/index.php?topic=1904453>

### Question 63

Which type(s) of index in SQL Server has/have a bottom level that does not contain data but has pointers to the data?

- Clustered
- Nonclustered
- Unique
- Both Clustered and Nonclustered are correct

Answer: <https://biology-forums.com/index.php?topic=1905512>

### Question 64

The prefix :old is used to make previous values of columns available to update and delete triggers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905658>

### Question 65

A relationship's maximum cardinality indicates the maximum number of entities that can participate in the relationship.



- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904927>

### Question 66

What are supertype and subtype entities? Include an example.

Answer: <https://biology-forums.com/index.php?topic=1905002>

### Question 67

In an enterprise-class database system, business users interact directly with the DBMS, which directly accesses the database data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904383>

### Question 68

Discuss workable data conversion and possible data loss when changing column data types during a database redesign.

Answer: <https://biology-forums.com/index.php?topic=1905331>

### Question 69

Oracle Database supports the ON UPDATE CASCADE constraint.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905625>

### Question 70

In many-to-many relationships in a relational database design, the primary keys of both tables are joined into a composite primary key in the intersection table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905039>

### Question 71

A multiple-tier ODBC driver may reformat an SQL request, but it does not actually process the SQL statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905900>

### Question 72

An exclusive subtype pattern has one supertype entity that relates to one or more subtype entities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904943>

### Question 73

Explain the relationships among native DBMS libraries, ODBC, OLE DB, ADO, and ADO.NET and why each led to the development of the next.

Answer: <https://biology-forums.com/index.php?topic=1905999>

### Question 74

Database professionals use a set of principles called \_\_\_\_\_ to guide and assess database design.

- database extraction
- normalization
- data models
- entity-relationship data modeling

Answer: <https://biology-forums.com/index.php?topic=1904476>

### Question 75

The continuous circular process of changes is known as the Systems Development Life Cycle (SDLC).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905230>

### Question 76

PL/SQL is a programming language for SQL Server that adds programming constructs to the SQL language.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905472>

### Question 77

MySQL is configured using the MySQL Server Instance Configuration Wizard.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905724>

### Question 78

The Oracle Database GUI is the Oracle SQL Browser.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905637>

### Question 79

Question 1. The Java JRE is installed directly from the Java download page at \_\_\_\_\_.

- www.oracle.com
- www.jre.com
- www.jdk.com
- www.sun.com

Question 2. The delimiters for embedding PHP code in a web page are \_\_\_\_\_.

- { and }
- .
- .
- {php and ?}

Answer: <https://biology-forums.com/index.php?topic=1906350>

### Question 80

The MySQL keyword to actually start using a cursor is \_\_\_\_\_.

- DECLARE CURSOR {CursorName}
- OPEN {CursorName}
- FETCH
- CLOSE {CursorName}

Answer: <https://biology-forums.com/index.php?topic=1905799>

### Question 81

The CHECK keyword is used to limit column values to specific values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905132>

### Question 82

Changes in the database structure usually involve only one application.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905347>

### Question 83

The database management system (DBMS) is responsible for enforcing referential integrity constraints.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904373>

### Question 84

Question 1. Each of the following is an example of a data structure except \_\_\_\_\_.

- binary relationship
- sequential list
- linked list
- index

Question 2. Data structures are typically used to \_\_\_\_\_.

- unbalance a B-Tree
- represent simple and complex networks
- enhance database security
- fry an egg

Answer: <https://biology-forums.com/index.php?topic=1906337>

### Question 85

Which of the following is not true about a relation?

- Has rows containing data about an entity
- Has columns containing data about attributes of the entity
- Has cells that hold only a single value
- Can have two identical rows

Answer: <https://biology-forums.com/index.php?topic=1904724>

### Question 86

Question 1. Using the SQL declaration FOR XML EXPLICIT, you can cause SQL Server to place some columns into elements and other rows into attributes.

- true
- false

Question 2. SQL Server uses the order of the tables in the FROM clause to determine the hierarchical placement of the attributes in the generated XML document.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906357>

### Question 87

SQL Server AFTER triggers may be used with insert and update actions, but not delete actions.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905477>

### Question 88

Among its many functions, SQL\*Plus is also a programming language.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905622>

### Question 89

Which type of backup in SQL Server will create a backup of the entire database?

- Full backup
- Transaction backup
- Database backup
- Complete backup

Answer: <https://biology-forums.com/index.php?topic=1905532>

### Question 90

When recovering a database in SQL Server, it is possible to process the log to a particular point in time or to a transaction mark.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905493>

### Question 91

SQL triggers can be used when the DBMS receives an update request.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905164>

### Question 92

The default Microsoft Access 2016 command tabs are HOME, CREATE, INTERNAL DATA and DATABASE TOOLS.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906099>

### Question 93

In OLE DB, a RecordSet is a more abstract representation of a rowset.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905906>

### Question 94

Computing and storage services offered by various companies over the internet, with either storage or processing performed remotely, are collectively known as \_\_\_\_\_.

- NoSQL databases
- remote databases
- cloud computing
- distributed computing

Answer: <https://biology-forums.com/index.php?topic=1906086>

### Question 95

The installation of the MySQL 5.7 Community Server always includes the installation of the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906204>

### Question 96

When an SQL view is created it is based on \_\_\_\_\_.

- a Report
- an SQL query
- a QBE query
- both an SQL query and a QBE query are correct

Answer: <https://biology-forums.com/index.php?topic=1906107>

### Question 97

In Microsoft Access, the primary key must be set as a field property while the table is in Design View.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906104>

### Question 98

In the Microsoft SQL Server Management Studio, the amount to add to the surrogate key value when adding a new row is specified by the increment

property.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905457>

### Question 99

Enterprise Resource Planning (ERP) is an example of a data mining application.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904359>

### Question 100

The developer can direct SQL Server to create indexes on non-key fields.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905461>

### Question 101

With ODBC, a database and the DBMS that processes it are identified by the data source.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905896>

### Question 102

Briefly explain the different SQL Server recovery models.

Answer: <https://biology-forums.com/index.php?topic=1905543>

### Question 103

A(n) \_\_\_\_\_ is a Java program that is interpreted and executed by a bytecode interpreter on the Web server.

- applet
- Java virtual machine
- servlet
- JDBC translator

Answer: <https://biology-forums.com/index.php?topic=1905988>

### Question 104

SOONER and LATER triggers are placed on tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905656>

### Question 105

The NextVal method provides the next value in a sequence.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905628>

### Question 106

Which of the following database systems is not enterprise-class?

- Microsoft SQL Server
- Microsoft Access
- Oracle Database
- IBM DB2

Answer: <https://biology-forums.com/index.php?topic=1904461>

### Question 107

When increasing cardinalities from 1:N to N:M, we basically create a new intersection table, fill it with data and drop the old foreign key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905278>

### Question 108

The Microsoft Access 2016 Close button is actually a \_\_\_\_\_.

- Save and Close button
- Save and Exit button
- Close and Exit button
- Print and Close button

Answer: <https://biology-forums.com/index.php?topic=1906112>

### Question 109

Which trigger type(s) does MySQL not support?

- BEFORE
- AFTER
- INSTEAD OF
- Both BEFORE and AFTER are correct

Answer: <https://biology-forums.com/index.php?topic=1905806>

### Question 110

What is the NoSQL movement?

Answer: <https://biology-forums.com/index.php?topic=1906093>

### Question 111

You can use the Edit Table table editor to create an index in Oracle Database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905640>

### Question 112

When creating a table in the relational database design from an entity in the extended E-R model, the attributes of the entity become the rows of the table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905007>

### Question 113

When placing a foreign key for a 1:1 relationship, the key of either table can be used as the foreign key in the other table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905026>

### Question 114

To eliminate multivalued dependencies, normalize your tables so that they are all in BCNF.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904794>

### Question 115

To use an SQL Server reserved word as a user identifier, it must be enclosed in square brackets [ ].

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905452>

### Question 116

The IDEF1X equivalent of the extended E-R model subtype is the category entity, and category entities are placed in categorization clusters.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906153>

### Question 117

Question 1. Each physical record is addressed by its \_\_\_\_\_.

- relative record number (RRN)
- sequential record number (SRN)
- transaction record number (TRN)
- ultimate record number (URN)

Question 2. Linked lists can be used to keep records in \_\_\_\_\_.

- logical order
- physical order
- sequential order
- pseudo order

Answer: <https://biology-forums.com/index.php?topic=1906333>

### Question 118

Which of the following does a Statement of work (SOW) typically not contain?

- Non-functional requirements (speed and time, capacity and reliability)
- An identification of who will do the work
- The objectives of the work to be done
- The location of where the work will be done

Answer: <https://biology-forums.com/index.php?topic=1906140>

### Question 119

When examining data values as a part of assessing table structure, determine the table's primary key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904776>

### Question 120

When transforming supertype/subtype entities into a relational database design, the key of the supertype table is placed into the subtype table typically as the key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905050>

### Question 121

A data source that is local to a single computer, and can be used by the operating system and any user on that computer, is called a \_\_\_\_\_ data source.

- file
- user
- shared
- system

Answer: <https://biology-forums.com/index.php?topic=1905962>

### Question 122

To obtain all columns, use an asterisk (\*) wildcard character instead of listing all the column names.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904513>

### Question 123

Which of the following is true of JDBC?

- Programs must be written in Java.
- JDBC only works with open-source products.
- JDBC is only available for Unix-like operating systems, such as Linux.
- JDBC is actually a DBMS.

Answer: <https://biology-forums.com/index.php?topic=1905978>

### Question 124

In SQL Server, SCROLL\_LOCK is a version of pessimistic locking.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905487>

### Question 125

The CONSTRAINT keyword is used to define one of several types of constraints.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905124>

### Question 126

The main MySQL GUI utility is \_\_\_\_\_.

- MySQL Management Studio
- MySQL Developer
- My SQL Workbench
- Both MySQL Management Studio and MySQL Developer are correct

Answer: <https://biology-forums.com/index.php?topic=1905777>

### Question 127

The IDEF1X standard excludes the concept of domains found in the extended E-R model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906154>

### Question 128

OLE DB objects are COM objects.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905903>

### Question 129

A relation is in second normal form (2NF) if and only if it is in 1NF and \_\_\_\_\_.

- all non-key attributes are determined by the entire primary key
- there are no non-key attributes determined by another non-key attribute
- every attribute is a candidate key
- every candidate key is a determinant

Answer: <https://biology-forums.com/index.php?topic=1904748>

### Question 130

Question 1. Which of the following statements about Subtype objects is not true?

- Subtypes can be Inclusive (an object may be more than one subtype).
- Subtypes can be Exclusive (an object may only be one of the subtypes).
- Subtypes can be Nested.
- All relations between the parent and subtype are 1:N.

Question 2. The relationship between a parent object and its associated subtype objects is a(n) \_\_\_\_\_.

- HAS-A relationship
- WANTS-A relationship
- NEEDS-A relationship



• IS-A relationship

Answer: <https://biology-forums.com/index.php?topic=1906256>

### Question 131

Null values are a problem because they are ambiguous.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904813>

### Question 132

SQL triggers are not used for \_\_\_\_\_.

- validity checking
- providing default values
- updating views
- creating tables

Answer: <https://biology-forums.com/index.php?topic=1905205>

### Question 133

How is minimum cardinality expressed in IE Crow's Foot E-R diagrams?

Answer: <https://biology-forums.com/index.php?topic=1904998>

### Question 134

The active MySQL database is specified using \_\_\_\_\_.

- the Set Schema command
- the Set Database command
- the Make Default Schema command
- the Set as Default Schema command

Answer: <https://biology-forums.com/index.php?topic=1905782>

### Question 135

A checkpoint is a point of synchronization between the database and the transaction log.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905388>

### Question 136

The first step in assessing table structure is to count rows and examine columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904767>

### Question 137

In Microsoft Visio 2016, both data models and database designs are created using the Database Model Diagram template.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906176>

### Question 138

SQL Server supports AFTER and INSTEAD OF triggers, but not BEFORE triggers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905475>

### Question 139

A tuple is also known as a \_\_\_\_\_.

- table

- relation
- row
- field

Answer: <https://biology-forums.com/index.php?topic=1904727>

### Question 140

In a correlated subquery, the DBMS must run the lower SELECT statement as a process that is nested within the upper SELECT statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905239>

### Question 141

Question 1. The four categories of NoSQL databases studied in this appendix are \_\_\_\_\_.

- Key-Value, Document, XML, and Graph
- Key-Value, XML, Column Family, and Graph
- XML, Document, Column Family, and Graph
- Key-Value, Document, Column Family, and Graph

Question 2. Microsoft Azure is a \_\_\_\_\_ platform.

- local server based
- cloud-based
- local computer based
- local network based

Answer: <https://biology-forums.com/index.php?topic=1906384>

### Question 142

Distinguish between the four cursor types.

Answer: <https://biology-forums.com/index.php?topic=1905441>

### Question 143

In general, each relation should have \_\_\_\_\_.

- one and only one theme
- one or more themes
- exactly two themes
- one or two themes

Answer: <https://biology-forums.com/index.php?topic=1904755>

### Question 144

A compound identifier is an identifier consisting of two or more attributes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904907>

### Question 145

What is the multivalued, multicolumn problem, and why is it a problem? Include an example.

Answer: <https://biology-forums.com/index.php?topic=1904859>

### Question 146

Which SQL keyword is used to delete a table's structure?

- DELETE
- DROP
- DISPOSE
- ALTER

Answer: <https://biology-forums.com/index.php?topic=1905182>

### Question 147

The predecessors of database processing were \_\_\_\_\_.

- file managers

- hierarchical models
- network models
- relational data models

Answer: <https://biology-forums.com/index.php?topic=1904479>

### Question 148

SQL Server automatically creates an index on primary key fields only.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905460>

### Question 149

MySQL users are created on the Users and Privileges page in the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905765>

### Question 150

What is SQL\*Plus?

Answer: <https://biology-forums.com/index.php?topic=1905711>

### Question 151

The values in an SQL view are always changeable through the view itself.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905152>

### Question 152

A binary relationship is a relationship between two or more entities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904915>

### Question 153

MySQL supports AFTER triggers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905750>

### Question 154

Referential integrity constraints are implemented in SQL using the \_\_\_\_\_ syntax.

- PRIMARY KEY
- FOREIGN KEY
- DEFAULT
- UNIQUE

Answer: <https://biology-forums.com/index.php?topic=1905213>

### Question 155

General-purpose remarks columns rarely contain important data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904819>

### Question 156

A database management system (DBMS) creates, processes and administers databases.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1904370>

### Question 157

Question 1.Regarding decomposition all of the following statements are true except for \_\_\_\_\_.

- in a relational DBMS, when a table is decomposed we call the resulting subtables partitions
- in vertical decomposition, every partition has the same number of rows
- in horizontal decomposition, the rows of a table are split into multiple smaller tables, with each row assigned to exactly one partition
- each vertical partition contains a copy of the foreign key of the original table

Question 2.Select the correct statement below.

- MySQL automatically creates an index on each primary key but not foreign keys.
- The DBA needs to decide which rows to index.
- SQL Server, Oracle Database, and MySQL all use a form of B-tree for most indexing.
- Indexes are one of many tools for performance enhancement in a relational database.

Answer: <https://biology-forums.com/index.php?topic=1906331>

### Question 158

A primary key is a candidate key that has been selected to uniquely identify rows in a relation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904694>

### Question 159

An alternative to combining tables by a subquery is to use a join.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904547>

### Question 160

The Oracle Enterprise Manager Database Express 12c is a Web-based Oracle Database administration utility.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905616>

### Question 161

A row can be uniquely identified by a key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904688>

### Question 162

The default transaction isolation level in MySQL is REPEATABLE READ.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905760>

### Question 163

Users should create a MySQL Workbench folder to hold documents created with the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906208>

### Question 164

Changing table names is complicated by the fact that constraints and triggers are often associated with the table and will also need to be changed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905265>

### Question 165

Which of the following is not an XML Web service standard?

- SOAP
- WSDL
- Ethernet
- UDDI

Answer: <https://biology-forums.com/index.php?topic=1904459>

### Question 166

The MODIFY keyword is used to change a column value.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905141>

### Question 167

A "simple object" can contain only simple attributes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906227>

### Question 168

For use with this book, it is recommended that MySQL be configured as a developer machine.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905725>

### Question 169

In general, optimistic locking is the preferred technique for Internet databases.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905371>

### Question 170

Briefly describe the function of an application program in a database system.

Answer: <https://biology-forums.com/index.php?topic=1904487>

### Question 171

In Microsoft Visio 2016, the cardinalities of the relationship are set using the Set Begin Symbol command.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906191>

### Question 172

The PL/SQL keyword ISTHERE is used to test for the existence of a condition.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905644>

### Question 173

A stored program that is attached to the database is called \_\_\_\_\_.

- a view
- embedded SQL
- a trigger
- a stored procedure

Answer: <https://biology-forums.com/index.php?topic=1905210>

### Question 174

In a correlated subquery of a database that has tables TableOne and TableTwo, if table TableOne is used in the upper SELECT statement, then which table is used in the lower SELECT statement?

- TableOne
- TableTwo
- Both TableOne and TableTwo
- Either TableOne or TableTwo

Answer: <https://biology-forums.com/index.php?topic=1905286>

### Question 175

Recovering a database via rollforward involves \_\_\_\_\_.

- restoring the database from the save and reprocessing all the transactions since the save
- restoring the database from the save and reapplying all the changes made by transactions since the save
- undoing the changes made by erroneous or partially processed transactions and restarting the valid transactions that were in process at the time of the failure
- re-creating the database by re-entering all of the data from the beginning, and then reprocessing all of the transactions

Answer: <https://biology-forums.com/index.php?topic=1905426>

### Question 176

A referential integrity constraint policy that guarantees that a row in a parent table always has a required entry in a child table \_\_\_\_\_.

- is known as a minimum cardinality enforcement action
- needs to be documented by the database development team
- is enforced in most DBMS products
- Both is known as a minimum cardinality enforcement action and needs to be documented by the database development team are correct

Answer: <https://biology-forums.com/index.php?topic=1905094>

### Question 177

Extended E-R model 1:1 relationships are called nonidentifying connection relationships in IDEF1X.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906145>

### Question 178

Data modelers agree that weak, non-ID-dependent entities exist and are important.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904948>

### Question 179

The \_\_\_\_\_ processes ODBC requests and submits specific SQL statements to a given type of data source.

- driver manager
- ADO
- driver
- source converter

Answer: <https://biology-forums.com/index.php?topic=1905956>

### Question 180

The MySQL Table Editor is accessible from the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905737>

### Question 181

If the values in an SQL view are not changeable through the view itself, you may still be able to update the view by using unique application logic. In this case, the specific logic is placed in \_\_\_\_\_.

- a BEFORE trigger

- an INSTEAD OF trigger
- an AFTER trigger
- Depending on the specific logic, either A or B can be used.

Answer: <https://biology-forums.com/index.php?topic=1905209>

### Question 182

An important method of a collection is a(n) \_\_\_\_\_, which can be used to pass through or otherwise identify the items in the collection.

- iterator
- identifier
- converter
- transformer

Answer: <https://biology-forums.com/index.php?topic=1905968>

### Question 183

For the M-O (parent mandatory, child optional) case, what action(s) should be taken to ensure minimum cardinality is maintained?

- Define referential integrity constraint from child to parent
- Make foreign key NOT NULL
- Will require trigger or other application code
- Both Define referential integrity constraint from child to parent and Make foreign key NOT NULL are correct

Answer: <https://biology-forums.com/index.php?topic=1905091>

### Question 184

The SQL Server default when creating a new database is to create two data files and one log file for each database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905446>

### Question 185

An attribute that determines which subtype is appropriate is called a discriminator.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904951>

### Question 186

United States ZIP codes are a classic example of unneeded normalization.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904791>

### Question 187

Explain sequences and their relationship to surrogate keys. Include an example.

Answer: <https://biology-forums.com/index.php?topic=1905715>

### Question 188

SQL statements can be run individually or as part of a related group of SQL statements known as a \_\_\_\_\_.

- Result
- Resultset
- Script
- Scriptset

Answer: <https://biology-forums.com/index.php?topic=1905785>

### Question 189

What are the advantages and disadvantages of normalization?

Answer: <https://biology-forums.com/index.php?topic=1904857>

### Question 190

Data mining is the application of mathematical and statistical techniques to find patterns and relationships that can be used to classify and predict future outcomes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906036>

### Question 191

Question 1. Suppose we construct an XML document that has all of the View Ridge Gallery customer data including purchase data and artist interests. To obtain this data VRG constructs a view that includes \_\_\_\_\_.

- one single path
- two single paths
- two multivalued paths
- three multivalued paths

Question 2. The statement SQL Server 2017 uses to work with XML is \_\_\_\_\_.

- SELECT....TO XML
- SELECT....FROM XML
- SELECT....OF XML
- SELECT....FOR XML

Answer: <https://biology-forums.com/index.php?topic=1906364>

### Question 192

Which of the following is true about SQL Server Import and Export Wizard?

- SQL Server Native Client should be selected as the destination.
- The user can't specify that the column names are in the first row.
- There are no problems with modifying the default column attributes.
- The user can specify the primary key to be set on the imported table.

Answer: <https://biology-forums.com/index.php?topic=1905500>

### Question 193

According to the text, Microsoft Access has the least power and features of any major DBMS.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904388>

### Question 194

Question 1. Select the correct statement below.

- XML Schema is the preferred method for defining database structure.
- XML Schema is the preferred method for defining document structure.
- XML Schema is a narrow and simple topic for defining document structure.
- XML Schema is a broad-based method not used to define the document structure.

Question 2. XML nameplates are used to \_\_\_\_\_.

- combine different attributes into the same XML schema
- combine different stylesheets into the same XML schema
- combine different elements into the same XML schema
- combine different vocabularies into the same XML schema

Answer: <https://biology-forums.com/index.php?topic=1906362>

### Question 195

Which SQL keyword is used to change the values of an entire column?

- CHANGE
- INSERT
- SELECT
- SET

Answer: <https://biology-forums.com/index.php?topic=1905186>

### Question 196

Both rollforward and rollback require the use of a log of transaction results.

- true



- false

Answer: <https://biology-forums.com/index.php?topic=1905395>

### Question 197

Entities with an IS-A relationship should have the same identifier.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904944>

### Question 198

With Oracle Database, you can change the default transaction isolation for all transactions in a session by using the SET TRANSACTION ISOLATION LEVEL statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905663>

### Question 199

When viewing a table in the GUI tools table design window in SQL Server, the notation that should supply the values for a surrogate key is that the Identity property of that column is set to "Yes."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905459>

### Question 200

An ADO.NET dataset can only be used with optimistic locking.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905921>

### Question 201

When accessing table structure, how do you determine how many rows are in a table?

Answer: <https://biology-forums.com/index.php?topic=1904854>

### Question 202

Suppose that you need to update one value of the column SalesCost in a relation. The way the relation is constructed, this value needs to be changed in three different rows. However, you only change the value in two of the rows. You have just created a(n) \_\_\_\_\_.

- normalization anomaly
- insertion anomaly
- update anomaly
- deletion anomaly

Answer: <https://biology-forums.com/index.php?topic=1904746>

### Question 203

In the SQL statements

```
SELECT C1.CustName, C1.SalesRepNo  
FROM CUSTOMER as C1;
```

the "C1" is called a(n) \_\_\_\_\_.

- term
- alias
- convention
- label

Answer: <https://biology-forums.com/index.php?topic=1905287>

### Question 204

A multivalued dependency exists when a determinant is matched to a set of values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904718>

### Question 205

Briefly explain the strategy of two-phased locking.

Answer: <https://biology-forums.com/index.php?topic=1905434>

### Question 206

What is a functional dependency? Give an example not used in the text.

Answer: <https://biology-forums.com/index.php?topic=1904756>

### Question 207

When reviewing a table in the SQL Server GUI tools, which property should be set to "Yes" to indicate that the column is a surrogate key for which SQL Server should automatically supply values?

- Identity
- Surrogate
- AutoIncrement
- AutoNumber

Answer: <https://biology-forums.com/index.php?topic=1905508>

### Question 208

A \_\_\_\_\_ data source can be shared among database users if they have the same DBMS driver and privilege to access the database.

- file
- common
- user
- system

Answer: <https://biology-forums.com/index.php?topic=1905961>

### Question 209

Question 1. Graph databases are composed of \_\_\_\_\_.

- Nodes, Properties, and Edges
- Properties, Columns, and Super Columns
- Edges, Nodes, and Tables
- Nodes, Columns, and Properties

Question 2. The "value" in a key value database can be \_\_\_\_\_.

- any string value only
- any numeric value only
- any value of any size or type
- any list of values only

Answer: <https://biology-forums.com/index.php?topic=1906385>

### Question 210

This database component can be used as part of applications and for administration tasks.

- tables
- metadata
- triggers
- stored procedures

Answer: <https://biology-forums.com/index.php?topic=1904470>

### Question 211

Which of the following is a type of recovery model supported in SQL Server in which all database changes are logged?

- Bulk logged
- Full
- Simple
- Complete

Answer: <https://biology-forums.com/index.php?topic=1905533>

### Question 212

All Oracle Database triggers work at the row level.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905652>

### Question 213

The ideal primary key is short, numeric, and fixed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905009>

### Question 214

Type 4 JDBC drivers translate JDBC calls into a DBMS-independent network protocol.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905927>

### Question 215

A(n) \_\_\_\_\_ is used by a senior manager to extract, summarize, and consolidate operational databases.

- data mining application
- digital dashboard
- e-commerce site application
- customer relationship management application

Answer: <https://biology-forums.com/index.php?topic=1904472>

### Question 216

The description of a database's structure that is stored within the database itself is called the metadata.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904390>

### Question 217

When transforming an extended E-R model into a relational database design, recursive relationships are treated fundamentally the same as other HAS-A relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905054>

### Question 218

Which standard interface in OLE DB is invoked to declare a forward-only cursor?

- IRowSet
- IAccessor
- IColumnsInfo
- adXact

Answer: <https://biology-forums.com/index.php?topic=1905971>

### Question 219

A candidate key is one of a group of keys that may serve as the primary key in a relation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904692>

### Question 220

The TOP keyword \_\_\_\_\_.

- limits the number of columns retrieved from a table
- limits the number of rows retrieved from a table
- limits the number of tables retrieved from a database

• Both limits the number of columns retrieved from a table and limits the number of tables retrieved from a database are correct  
Answer: <https://biology-forums.com/index.php?topic=1904830>

### Question 221

What is the Oracle Enterprise Manager Database Express?  
Answer: <https://biology-forums.com/index.php?topic=1905714>

### Question 222

One of the important properties of an attribute is whether or not it is required.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1905011>

### Question 223

In Oracle Database backup and recovery facilities, a consistent backup is one in which all uncommitted changes have been removed from the datafiles.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1905672>

### Question 224

A common default Web page name recognized by most Web servers is FirstPage.html.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1905938>

### Question 225

Structured storage column families are indistinguishable from relational database tables.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1906042>

### Question 226

To refer to a set of values in a condition, the values are placed inside parentheses () and separated by commas.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1904527>

### Question 227

Based on the tables below, which of the following SQL commands would return the average customer balance grouped by SalesRepNo?  
GENERAL SALES DATABASE:  
SALESREP  
SalesRepNoRepNameHireDate654Jones01/02/2005734Smith02/03/2007345Chen01/25/2018434Johnson11/23/2004  
CUSTOMER  
CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345  
• SELECT AVG (Balance)  
FROM CUSTOMER  
WHERE SalesRepNo;  
• SELECT AVG (Balance)  
FROM CUSTOMER  
GROUP BY SalesRepNo;  
• SELECT AVG (Balance)  
FROM CUSTOMER, SALESREP  
WHERE SALESREP.SalesRepNo = CUSTOMER.SalesRepNo;  
• SELECT AVG (Balance)  
FROM CUSTOMER  
ORDER BY SalesRepNo;

Answer: <https://biology-forums.com/index.php?topic=1904586>

### Question 228

Denormalization reduces the complexity of the SQL statements needed in an application to read required data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904800>

### Question 229

Measures that are taken to prevent one user's work from inappropriately influencing another user's work are called \_\_\_\_\_.

- concurrency control
- checkpoint
- database recovery
- database logging

Answer: <https://biology-forums.com/index.php?topic=1905403>

### Question 230

Which of the following is not a step in the database design process?

- Create tables and columns from entities and attributes
- Select primary keys
- Represent relationships
- Create constraints and triggers

Answer: <https://biology-forums.com/index.php?topic=1905066>

### Question 231

The problem of misspelled data entries is an entirely different problem than the inconsistent values problem.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904810>

### Question 232

In MySQL, surrogate keys that use a sequence maintained by MySQL should be given a data type of IDENTITY.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905741>

### Question 233

To drop a primary key column from a table the primary key constraint must first be dropped, but this does not require that related foreign keys based on the column be dropped.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905272>

### Question 234

Which of the following is not true about a NULL attribute?

- On insertion, entering the data for that field is optional.
- It is an important property of an attribute.
- It must have a default value specified.
- A primary key can't be NULL.

Answer: <https://biology-forums.com/index.php?topic=1905073>

### Question 235

When the key of one table is placed into a second table to represent a relationship, the key is called a relational key in the second table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905024>

### Question 236

There is a common trap in writing a correlated subquery, which will cause no rows to ever be displayed in the results.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905240>

### Question 237

The MySQL SQL/PSM statement used to test for a condition and then direct which blocks of code should be run depending on the outcome of the test is \_\_\_\_\_.

- DECLARE
- BEGIN
- IF...THEN...ELSE...END IF
- REPEAT

Answer: <https://biology-forums.com/index.php?topic=1905793>

### Question 238

ID-dependent entities are associated by a nonidentifying relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904937>

### Question 239

The MySQL statement to store a stored procedure in the database is \_\_\_\_\_.

- CREATE PROCEDURE
- ALTER PROCEDURE
- DROP PROCEDURE
- CLOSE PROCEDURE

Answer: <https://biology-forums.com/index.php?topic=1905802>

### Question 240

Which of the following is not a component of a data warehouse?

- Data extract, transform, and load (ETL) preparation programs
- Data warehouse data
- Operational database updates
- Data warehouse metadata

Answer: <https://biology-forums.com/index.php?topic=1906047>

### Question 241

When you are given a set of tables and asked to create a database to store their data, the first step is to \_\_\_\_\_.

- assess the existing tables' structure and content
- design the database structure
- create one or more new tables
- move the data into the new database

Answer: <https://biology-forums.com/index.php?topic=1904822>

### Question 242

The Read Only transaction isolation level is unique to Oracle Database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905660>

### Question 243

To refer to a set of values needed for a condition, use the IN operator.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904525>

### Question 244

When two conditions must both be true for the rows to be selected, the conditions are separated by the SQL AND keyword.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904524>

### Question 245

You are given an E-R diagram with two entities, ORDER and CUSTOMER, as shown above. What does the symbol next to the CUSTOMER entity indicate?

- A maximum cardinality of "zero"
- A maximum cardinality of "one"
- A minimum cardinality of "optional"
- A minimum cardinality of "required"

Answer: <https://biology-forums.com/index.php?topic=1904976>

### Question 246

A categorization relationship is an IS-A relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906155>

### Question 247

The use of a doubly nested set of NOT EXISTS SELECT statements is a famous pattern in SQL use.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905244>

### Question 248

An ad-hoc SQL query is typically written within an application program.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904496>

### Question 249

ADO provides access to OLE functionality to programming languages that ordinarily could not access OLE functions.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905912>

### Question 250

Every DBMS product uses the same API.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905888>

### Question 251

What type of JDBC driver connects to the native API of the DBMS?

- Type 1 driver
- Type 2 driver
- Type 3 driver
- Type 4 driver

Answer: <https://biology-forums.com/index.php?topic=1905981>

### Question 252

A missing value is called a null value.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904812>

### Question 253

SQL queries that use EXISTS and NOT EXISTS are \_\_\_\_\_.

- normal subqueries
- correlated subqueries
- uncorrelated subqueries
- constraint dependent subqueries

Answer: <https://biology-forums.com/index.php?topic=1905291>

### Question 254

In Oracle Database, which of the following prefixes is only available to triggers?

- :current
- := same
- :new
- := current

Answer: <https://biology-forums.com/index.php?topic=1905700>

### Question 255

The MySQL statement used to complete the basic SQL block structure is \_\_\_\_\_.

- DECLARE
- BEGIN
- a right brace symbol }
- END

Answer: <https://biology-forums.com/index.php?topic=1905796>

### Question 256

Knowledge workers are programmers who write applications that process the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904372>

### Question 257

Relationships of degree two are referred to as binary relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904916>

### Question 258

One remedy for the inconsistencies caused by concurrent processing is \_\_\_\_\_.

- concurrency
- checkpointing
- rollback
- resource locking

Answer: <https://biology-forums.com/index.php?topic=1905407>

### Question 259

The structured storage equivalent of an RDBMS table is a \_\_\_\_\_.

- column
- super column
- column family
- map

Answer: <https://biology-forums.com/index.php?topic=1906081>



### Question 260

Explain the Oracle Database PL/SQL Block Structure.

Answer: <https://biology-forums.com/index.php?topic=1905716>

### Question 261

Oracle Database XE is built on an older version of Oracle Database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905631>

### Question 262

IDEFIX domains are numbered sets of values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906159>

### Question 263

An advantage of denormalization is \_\_\_\_\_.

- faster updating
- faster querying
- faster copying of data
- faster design

Answer: <https://biology-forums.com/index.php?topic=1904842>

### Question 264

A null value in a column may indicate that there is an appropriate value for that attribute, but it is unknown.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904815>

### Question 265

Table column characteristics can be edited in the MySQL Table Editor.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906212>

### Question 266

HTML is an application of a document markup language called Standard Generalized Markup Language (SGML).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905940>

### Question 267

In 1:N relationships, the table on the "many" side is called the child.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905033>

### Question 268

A key is a combination of one or more columns that is used to identify particular rows in a relation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904687>

### Question 269

When a trigger is fired, the DBMS makes the appropriate data available to \_\_\_\_\_.

- the SQL interpreter
- the application code
- the embedded SQL code
- the trigger code

Answer: <https://biology-forums.com/index.php?topic=1905206>

### Question 270

Which of the following does not describe a user-defined function?

- It computes a numeric value
- It can be called by name from within an SQL statement
- It may have input parameters passed to it
- It returns an output value to the calling statement

Answer: <https://biology-forums.com/index.php?topic=1905702>

### Question 271

Read-only databases are used for \_\_\_\_\_.

- updating
- querying
- data entry
- user account management

Answer: <https://biology-forums.com/index.php?topic=1904839>

### Question 272

In the database redesign process, two SQL tools are useful for testing whether or not certain conditions or assumptions are valid: uncorrelated subqueries and EXISTS/NOT EXISTS.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905233>

### Question 273

Metadata about the data's source, format, assumptions, and constraints are kept in a data warehouse metadata database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906022>

### Question 274

In IDEF1X, the named set of values that an attribute can have is called a \_\_\_\_\_.

- domain
- base domain
- type domain
- domain cluster

Answer: <https://biology-forums.com/index.php?topic=1906166>

### Question 275

In two-phase locking, all locks are released during the contracting phase.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905365>

### Question 276

When using queries with EXISTS and NOT EXISTS, the processing of the associated SELECT statements must be nested.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905242>

### Question 277

Question 1. What are Business Intelligence (BI) systems?

Question 2. What is a reporting system?

Answer: <https://biology-forums.com/index.php?topic=1906379>

### Question 278

The DBA is responsible for managing changes to the database structure, but is rarely involved in the original design of the structure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905346>

### Question 279

To create an OLAP report for an SQL Server 2017 database, use the PivotTable tool in SQL Server 2017.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906032>

### Question 280

In many-to-many relationships in a relational database design, \_\_\_\_\_.

- the key of the child is placed as a foreign key into the parent
- the key of the parent is placed as a foreign key into the child
- the keys of both tables are placed in a third table
- the keys of both entity tables are placed in each other

Answer: <https://biology-forums.com/index.php?topic=1905079>

### Question 281

Which of the following is not true of DBMS security features?

- Users may be assigned to one or more roles.
- A role may be assigned to only one user.
- Both users and roles can have many permissions.
- Objects have many permissions.

Answer: <https://biology-forums.com/index.php?topic=1905424>

### Question 282

Which of the following is known to be true if the command EXEC abcCust @Cost = 5 is used in SQL to invoke a stored procedure in Microsoft SQL Server?

- The name of the stored procedure is abcCust.
- The name of the stored procedure is abc.
- The parameter Cost is given a value of 5.
- Both The name of the stored procedure is abcCust and The parameter Cost is given a value of 5 are correct.

Answer: <https://biology-forums.com/index.php?topic=1905517>

### Question 283

In Microsoft Visio 2016, we can create database designs using Entity and Dynamic connector objects.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906182>

### Question 284

In the MySQL Table Editor, the abbreviation for AUTO\_INCREMENT is \_\_\_\_\_.

- PK
- NN
- UQ
- AI

Answer: <https://biology-forums.com/index.php?topic=1906215>

### Question 285

Compare and contrast servlets and applets.

Answer: <https://biology-forums.com/index.php?topic=1906005>

### Question 286

A referential integrity constraint policy that insures foreign key values in a table are correctly maintained when there is a change to the primary key value in the parent table is called a cascading insertion.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905057>

### Question 287

Question 1. A report generated by a reporting system is delivered to the appropriate users via an electronic display customized for each user. This system uses which of the following media?

- Paper
- Web portal
- Digital dashboard
- E-mail

Question 2. The reports generated by a reporting system can be delivered in all of the following media except \_\_\_\_\_.

- Paper
- Smoke signals
- Digital dashboard
- E-mail

Answer: <https://biology-forums.com/index.php?topic=1906374>

### Question 288

Question 1. XML Schema is the preferred method for defining SQL structures.

- true
- false

Question 2. Documents that conform to their schema are called schema-validate.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906354>

### Question 289

Which of the following statements would cause Oracle Database to include a new column named C5, which is a two-digit whole number, to a table named T2?

- UPDATE TABLE T2 ADD COLUMN C5 NUMBER (2);
- ALTER TABLE T2 ADD C5 NUMBER (2);
- UPDATE TABLE T2 INSERT C5 NUMBER (2,0);
- ALTER TABLE T2 INSERT COLUMN C5 NUMBER (2,0);

Answer: <https://biology-forums.com/index.php?topic=1905682>

### Question 290

Which of the following does a User Requirements Document (URD) typically NOT contain?

- A data model
- Functional requirements
- The scope of the work to be done
- Project delivery requirements

Answer: <https://biology-forums.com/index.php?topic=1906139>

### Question 291

The process of reading an actual database schema and producing a data model from that schema is called \_\_\_\_\_.

- data modeling
- data engineering
- reverse engineering
- schema modeling

Answer: <https://biology-forums.com/index.php?topic=1905297>

### Question 292

Problematic data are called dirty data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906023>

### Question 293

Facts and numbers are examples of data. Data is facts and numbers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906125>

### Question 294

For a relationship to be considered a binary relationship it must satisfy which of the following conditions?

- It must involve exactly two entity classes.
- It must have a maximum cardinality of 1:1.
- It must have a maximum cardinality of 1:N.
- Both It must involve exactly two entity classes and It must have a maximum cardinality of 1:1 are correct

Answer: <https://biology-forums.com/index.php?topic=1904965>

### Question 295

What is the Microsoft Office Fluent User Interface?

Answer: <https://biology-forums.com/index.php?topic=1906120>

### Question 296

In many-to-many relationships between strong entities in a relational database design, which of the following is not true?

- The intersection table is ID-dependent on one of the parents
- The intersection table is ID-dependent on both of the parents
- The relationships from the intersection table to the parent tables are identifying relationships
- The maximum cardinality to the intersection table is always N

Answer: <https://biology-forums.com/index.php?topic=1905080>

### Question 297

An online drugstore such as Drugstore.com is an example of a(n) \_\_\_\_\_.

- single-user database application
- multiuser database application
- e-commerce database application
- enterprise resource planning system

Answer: <https://biology-forums.com/index.php?topic=1904454>

### Question 298

A characteristic of a relation is that the rows of a relation may hold identical values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904669>

### Question 299

Columns can be sorted in descending sequence by using the DESC keyword.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904522>

### Question 300

Applet bytecode is sent to the user's computer and is invoked using the HTTP protocol.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905931>

### Question 301

Relationships are classified by their cardinality.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904926>

### Question 302

What is embedded SQL, and what considerations are necessary when using it in an application?

Answer: <https://biology-forums.com/index.php?topic=1905224>

### Question 303

The EXISTS keyword will be true if any row in the subquery meets the condition.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905247>

### Question 304

NoSQL really stands of "Not only SQL."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906039>

### Question 305

In Oracle Database, to achieve transaction level consistency, which level of transaction isolation must be used?

- Read Committed
- Serializable
- Repeatable Read
- Read-only

Answer: <https://biology-forums.com/index.php?topic=1905706>

### Question 306

Which of the following is true of clustered indexes?

- They are normally slower than nonclustered indexes for retrieving data.
- Only one is allowed per table.
- They are normally slower than nonclustered indexes for updating data.
- They do not have data in the bottom level.

Answer: <https://biology-forums.com/index.php?topic=1905513>

### Question 307

Question 1. In a key value database, the basic "get" operation \_\_\_\_\_.

- retrieves all values in the database
- retrieves all keys with a specified value
- retrieves all values associated with a key
- retrieves the value associated with a key

Question 2. Document databases typically base their data structuring features on \_\_\_\_\_.

- JSON
- XML
- relations
- Both JSON and XML are correct

Answer: <https://biology-forums.com/index.php?topic=1906386>

### Question 308

What is the Database Configuration Assistant (DBCA)?

Answer: <https://biology-forums.com/index.php?topic=1905713>

### Question 309

Extended E-R model 1:N relationships are called identifying connection relationships in IDEF1X.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906146>

### Question 310

Which of the following is not an SQL trigger Oracle supports?

- BEFORE
- INSTEAD OF
- AFTER
- DURING

Answer: <https://biology-forums.com/index.php?topic=1905202>

### Question 311

The multivalued, multicolumn problem occurs when a set of columns are used to store data that should actually be in one column.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904805>

### Question 312

Support for subqueries and creating indexes is a sign of what type of SQL grammar conformance in a DBMS driver?

- Level 2 API Grammar
- Minimum SQL Grammar
- Core SQL Grammar
- Extended SQL Grammar

Answer: <https://biology-forums.com/index.php?topic=1905960>

### Question 313

You are given an E-R diagram with two entities, ORDER and CUSTOMER, as shown above, and are asked to draw the relationship between them. If a given customer can place many orders and a given order can be placed by at most one customer, which of the following should be indicated in the relationship symbol between the two entities?

- N:M
- 1:1
- 1:N
- N:1

Answer: <https://biology-forums.com/index.php?topic=1904969>

### Question 314

In a real sense, information systems and organizations do not just influence each other, but rather they create each other.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905228>

### Question 315

Why is operational data sometimes unusable for Business Intelligence (BI) use? Include at least two examples.

Answer: <https://biology-forums.com/index.php?topic=1906088>

### Question 316

Which of the following is the easiest tool for creating a database with Oracle Database?

- The Oracle Enterprise Manager Database Express
- The Oracle SQL\*Plus command utility program
- The Oracle Database Configuration Assistant
- The Oracle SQL Developer

Answer: <https://biology-forums.com/index.php?topic=1905673>

### Question 317

In general, the overall responsibility of the DBA is to facilitate the development and use of the database system.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905344>

### Question 318

You are given an E-R diagram with two entities, ORDER and CUSTOMER, as shown above, and are asked to draw the relationship between them. If a given customer can place many orders and a given order can be placed by one or more customers, which of the following should be indicated in the relationship symbol between the two entities?

- N:M
- 1:1
- 1:N
- N:1

Answer: <https://biology-forums.com/index.php?topic=1904970>

### Question 319

SQL was developed by IBM in the late 1970s.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904501>

### Question 320

MySQL restores are run on the Restore from Disk tab of the Data Export and Restore page.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905775>

### Question 321

A foreign key is a key that does not belong in any table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905022>

### Question 322

SQL statements end with a colon.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904510>

### Question 323

When you are given a set of tables and asked to create a database to store their data, the first step is to assess the tables' structure and content.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904766>

### Question 324

Question 1. For a workstation running the Windows operating system, the additional user file system permissions \_\_\_\_\_ must be granted to the Users group at the wwwroot folder.

- Read and Write
- Modify and Read
- Modify and Write
- Read and Execute

Question 2. For a workstation running the Windows operating system, the user file system permissions Modify and Write must be granted to \_\_\_\_\_ at the wwwroot folder.



- the ISUR\_{WebServerName} User
- the IAPP\_{WebServerName} User
- the WebUsers group
- the Users group

Answer: <https://biology-forums.com/index.php?topic=1906348>

### Question 325

In Microsoft Visio 2016, the Crow's Foot Database Notation stencil objects include a Recursive Relationship object.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906179>

### Question 326

Unlike application code, stored procedures are never distributed to the client computers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905172>

### Question 327

Stored procedures have all these advantages except \_\_\_\_\_.

- greater security
- faster development
- SQL optimized by the DBMS compiler
- code sharing

Answer: <https://biology-forums.com/index.php?topic=1905211>

### Question 328

The MySQL transaction isolation level can be manually set using a MySQL SET {SCOPE} TRANSACTION ISOLATION LEVEL {LEVEL OPTION} command.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905762>

### Question 329

Distinguish between statement-level consistency and transaction-level consistency.

Answer: <https://biology-forums.com/index.php?topic=1905436>

### Question 330

SQL views are not used \_\_\_\_\_.

- to hide columns
- to show results of computed columns
- to hide complicated SQL statements
- to enforce primary key constraints

Answer: <https://biology-forums.com/index.php?topic=1905194>

### Question 331

Suppose tables EMPLOYEE and CUSTOMER both store address information, and you want to send a letter to all employees and customers of your company to make a major announcement. Which SQL keyword would you most likely use here?

- INTERSECT
- UNION
- UNION ALL
- JOIN

Answer: <https://biology-forums.com/index.php?topic=1904596>

### Question 332

In Microsoft Visio 2016, when the Entity object is placed in a diagram, it is labeled as a table.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1906178>

### Question 333

Database redesign is equally difficult regardless of whether or not the database has data in it.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905231>

### Question 334

Explain the pragmatic reason for using surrogate keys.

Answer: <https://biology-forums.com/index.php?topic=1905097>

### Question 335

Entities containing multivalued attributes are often represented using subtypes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904949>

### Question 336

When examining data values as a part of assessing table structure, you should determine two types of dependencies: functional dependencies and multivalued dependencies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904771>

### Question 337

The Oracle Database variant of SQL with additional procedural language components is \_\_\_\_\_.

- T-SQL
- PL/SQL
- My/SQL
- MS/SQL

Answer: <https://biology-forums.com/index.php?topic=1905690>

### Question 338

Which of the following is true of Oracle Database when the isolation level is set to Serializable?

- It will update any row having an SCN greater than the Transaction SCN.
- It will delete any row having an SCN greater than the Transaction SCN.
- It will read any row having an SCN greater than the Transaction SCN.
- It will wait for a blocking transaction to release an exclusive lock.

Answer: <https://biology-forums.com/index.php?topic=1905707>

### Question 339

SQL views are constructed from \_\_\_\_\_.

- CREATE statements
- INSERT statements
- UPDATE statements
- SELECT statements

Answer: <https://biology-forums.com/index.php?topic=1905191>

### Question 340

A combination of two or more columns used to identify rows in a relation is a \_\_\_\_\_.

- record
- composite key
- foreign key
- surrogate key

Answer: <https://biology-forums.com/index.php?topic=1904737>

### Question 341

Question 1. How does a DBMS store data on its direct access files?

Question 2. What is a linked list?

Answer: <https://biology-forums.com/index.php?topic=1906339>

### Question 342

Distinguish between an entity class and an entity instance.

Answer: <https://biology-forums.com/index.php?topic=1904994>

### Question 343

OLE DB is an object-oriented interface.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905905>

### Question 344

The DELETE TABLE statement can be used to remove unneeded tables after the normalized tables are created and populated.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904789>

### Question 345

Recursive relationships can have all of the following maximum cardinalities except \_\_\_\_\_.

- 1:1
- 1:N
- N:M
- M:M

Answer: <https://biology-forums.com/index.php?topic=1904991>

### Question 346

Question 1. RFM analysis can be done using SQL \_\_\_\_\_.

- user-defined functions
- stored procedures
- triggers
- union queries

Question 2. To produce the set of customers with a R score of 2, the SQL SELECT TOP \_\_\_\_\_ PERCENT syntax should be used.

- 50
- 33
- 25
- 20

Answer: <https://biology-forums.com/index.php?topic=1906372>

### Question 347

The RENAME TABLENAME command can be used to change table names.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905263>

### Question 348

Which SQL keyword is used to change the structure, properties or constraints of a table?

- SET
- CREATE
- SELECT
- ALTER

Answer: <https://biology-forums.com/index.php?topic=1905181>

### Question 349

The Oracle Database PL/SQL statement used to complete the basic PL/SQL block structure is \_\_\_\_\_.

- DECLARE
- BEGIN
- IF...ELSE...END IF
- END;

Answer: <https://biology-forums.com/index.php?topic=1905695>

### Question 350

Database design is important, and fortunately it is simple to do.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904434>

### Question 351

In a 1:1 relationship, the foreign key is defined as an alternate key to make the DBMS enforce uniqueness.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905027>

### Question 352

A durable transaction is one for which all committed changes are permanent.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905373>

### Question 353

When creating a new database in Oracle Database, two new account passwords are automatically created in the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905615>

### Question 354

MySQL uses the MySQL LAST\_INSERT\_ID() function to provide the value of the most recently created surrogate key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905752>

### Question 355

Nonrepeatable reads occur when a transaction rereads data it has previously read and finds modifications or deletions caused by a committed transaction.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905376>

### Question 356

For database development, the most important Web-related technology to emerge in recent years is \_\_\_\_\_.

- FTP
- HTTP
- XML
- OODBMS

Answer: <https://biology-forums.com/index.php?topic=1904483>

### Question 357

Oracle Database XE should be installed by your DBA and should not be attempted by a user.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905632>

### Question 358

In Microsoft Visio 2016, how do we format line ends in data models to represent the symbols used in the IE Crow's Foot notation?

Answer: <https://biology-forums.com/index.php?topic=1906201>

### Question 359

Which of the following is true about stored procedures in Oracle Database?

- They cannot invoke other procedures.
- They must include the data type and length of parameters.
- They can raise exceptions.
- They do not contain variables.

Answer: <https://biology-forums.com/index.php?topic=1905698>

### Question 360

Anytime you want to use an SQL Server reserved word as a user identifier, enclose it in \_\_\_\_\_.

- { }
- [ ]
- ( )
- .

Answer: <https://biology-forums.com/index.php?topic=1905505>

### Question 361

ADO.NET is a completely new product, with no connection to ADO except the similar name.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905915>

### Question 362

A relation is in Boyce-Codd normal form (BCNF) if and only if it is in 3NF and \_\_\_\_\_.

- all non-key attributes are determined by the entire primary key
- there are no non-key attributes determined by another non-key attribute
- every attribute is a candidate key
- every determinant is a candidate key

Answer: <https://biology-forums.com/index.php?topic=1904750>

### Question 363

SQL, although very popular, has never become a national standard.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904505>

### Question 364

The language available in SQL Server that adds programming constructs to the SQL language is known as \_\_\_\_\_.

- PL/SQL
- C++
- INTERACT-SQL
- TRANSACT-SQL

Answer: <https://biology-forums.com/index.php?topic=1905516>

### Question 365

Concurrency control measures are taken to ensure that one user's work has absolutely no influence on another user's work.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905350>

### Question 366

If you have a foreign key in a CUSTOMER table that references the primary key in a SALESREP table, the ON DELETE CASCADE syntax means that \_\_\_\_\_.

- when a CUSTOMER is deleted, that CUSTOMER's SALESREP is also deleted
- when a CUSTOMER is deleted, all SALESREPS are also deleted
- when a SALESREP is deleted, all CUSTOMERs of that SALESREP are also deleted
- when the SALESREP table is dropped, all CUSTOMERs must be deleted

Answer: <https://biology-forums.com/index.php?topic=1905214>

### Question 367

Which of the following is not true for an ideal primary key?

- a composite of several long attributes
- numeric
- fixed
- short

Answer: <https://biology-forums.com/index.php?topic=1905070>

### Question 368

When the parent entity has a surrogate key, the enforcement actions are the same for both parent and child.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905063>

### Question 369

A data model is a plan for a database design.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904899>

### Question 370

A stored procedure can be stored in a text file and run with the Microsoft SQL Server Management Studio. If we are running the code that creates this procedure for the third time, it must start with \_\_\_\_\_.

- RUN PROCEDURE
- CREATE PROCEDURE
- ALTER PROCEDURE
- MODIFY PROCEDURE

Answer: <https://biology-forums.com/index.php?topic=1905518>

### Question 371

MySQL uses MySQL OLD transition variables with triggers to access old data updated or deleted from a table row.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905756>

### Question 372

Database redesign is rarely needed because databases are usually built correctly the first time.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905227>

### Question 373

A combination of one or more columns used to identify rows in a relation is a \_\_\_\_\_.

- record
- field
- key
- tuple

Answer: <https://biology-forums.com/index.php?topic=1904736>

### Question 374

To have SQL automatically eliminate duplicate rows from a result, use the keyword DISTINCT with the FROM keyword.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904516>

### Question 375

Data warehouses often include data purchased from outside vendors.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906021>

### Question 376

With SQL Server, only one clustered index is allowed per table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905465>

### Question 377

Which of the following is not true about subtype entities?

- Subtypes may be exclusive.
- The supertype and subtypes will have the same identifier.
- Subtypes are used to avoid a situation in which some attributes are required to be null.
- All subtypes of a supertype must have the same attributes.

Answer: <https://biology-forums.com/index.php?topic=1904981>

### Question 378

Each entity in the extended E-R model is represented as a table in the relational database design.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905005>

### Question 379

The IDEF1X default cardinality of a nonidentifying connection relationship is one-to-one, with a mandatory parent and an optional child.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906151>

### Question 380

When MySQL Server Administration is opened in the MySQL Workbench, the Startup/Shutdown page is initially displayed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905764>

### Question 381

A program whose job is to create, process and administer databases is called a \_\_\_\_\_.

- database modeling system
- database management system
- data business model system
- relational model manager

Answer: <https://biology-forums.com/index.php?topic=1904456>

### Question 382

MySQL uses the MySQL CALL statement to run a stored procedure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905753>

### Question 383

Which of the following is not true of a MUST constraint?

- It may be needed in ternary relationships to enforce special business rules.
- It can be expressed directly in a relational model.
- It must be enforced by program code.
- It requires that one entity be combined with another entity.

Answer: <https://biology-forums.com/index.php?topic=1905088>

### Question 384

Which keyword is used to remove one or more rows from a table?

- DELETE
- INSERT
- ERASE
- SET

Answer: <https://biology-forums.com/index.php?topic=1905187>

### Question 385

A relation is a table that has special restrictions on it.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904667>

### Question 386

A stored program that is attached to a table or view is called a stored procedure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905157>

### Question 387

Many-to-many relationships are represented by \_\_\_\_\_.

- two tables with an M:N relationship
- two tables with a 1:N relationship
- an intersection table which has M:N relationships with the two tables
- an intersection table which has 1:N relationships with the two tables

Answer: <https://biology-forums.com/index.php?topic=1905078>

### Question 388

Type 2 JDBC drivers access ODBC data sources over a network.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905926>

### Question 389

A semantic object must represent something with a physical existence.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906221>

### Question 390

When a trigger is fired, the DBMS makes the appropriate data available to the trigger code.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905169>



### Question 391

A null value in a column may indicate that there is an appropriate value for that attribute, and although the value is known, no one has entered the value into the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904816>

### Question 392

Database design varies depending on whether you're building an updatable database or a read-only database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904781>

### Question 393

The characteristics of an object are called \_\_\_\_\_.

- classes
- collections
- methods
- properties

Answer: <https://biology-forums.com/index.php?topic=1905966>

### Question 394

SQL statements can be run individually or as part of a related group of SQL statements known as a script.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905738>

### Question 395

In every database, not just the databases discussed in this book, table names are capitalized.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904355>

### Question 396

During the second step of assessing table structure, you are trying to determine \_\_\_\_\_.

- relationships
- candidate keys
- updatability
- efficiency

Answer: <https://biology-forums.com/index.php?topic=1904826>

### Question 397

Oracle Database only reads committed changes, and therefore dirty reads are not possible.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905661>

### Question 398

A stored program that is attached to a table or view is called \_\_\_\_\_.

- a CHECK constraint
- a view
- embedded SQL
- a trigger

Answer: <https://biology-forums.com/index.php?topic=1905200>

### Question 399

One important reason for documenting changes to the database structure is for diagnosing errors.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905349>

### Question 400

Question 1. The Application Programming Interface (API) connects to ArangoDB using the common HTML protocol used by web browsers and other software.

- true
- false

Question 2. An ArangoDB array, unlike arrays in programming languages, does not allow accessing individual elements of an array by number, using the array's index.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906394>

### Question 401

A relation is in fourth normal form if it is in BCNF and it has no \_\_\_\_\_.

- transitive dependencies
- multivalued dependencies
- partial dependencies
- deletion dependencies

Answer: <https://biology-forums.com/index.php?topic=1904753>

### Question 402

Any table that meets the definition of a relation is said to be in first normal form (1NF).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904706>

### Question 403

Question 1. A simple object is a semantic object that contains only \_\_\_\_\_.

- single-value, simple or group attributes
- single-value, object attributes
- single-value, simple attributes
- multi-value, simple or group attributes

Question 2. A group identifier \_\_\_\_\_.

- has more than one attribute
- identifies a group of instances
- identifies a group of attributes in an object
- is the identifier for a group of semantic objects

Answer: <https://biology-forums.com/index.php?topic=1906254>

### Question 404

The security provided by the DBMS often must be augmented by additional security features within the application program.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905386>

### Question 405

While many subqueries can be alternatively written as joins, correlated subqueries do work that cannot be duplicated as a join.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904553>

### Question 406

Which of the following Oracle Database PL/SQL statements is not used to create a block of code that repeats while some condition is true?

- FOR
- WHILE
- BEGIN
- LOOP

Answer: <https://biology-forums.com/index.php?topic=1905696>

### Question 407

A relation is in 4NF if it is in BCNF and it has no multivalued dependencies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904721>

### Question 408

When the correct SQL command is used to delete a table's structure, the command can only be used with a table that has already had its data removed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905136>

### Question 409

To run a single SQL command in MySQL Community Edition \_\_\_\_\_.

- click the "Execute" button in the MySQL Workbench
- click the "Execute SQL in Connected Server" button in the MySQL Workbench
- click the "Execute SQL Script in Connected Server" button in the MySQL Workbench
- click the "Execute SQL Statement under the keyboard cursor" button in the MySQL Workbench

Answer: <https://biology-forums.com/index.php?topic=1905786>

### Question 410

Tables are created in Microsoft Access using the \_\_\_\_\_ button.

- Table Design
- Table Wizard
- Create Table
- Create Relation

Answer: <https://biology-forums.com/index.php?topic=1906114>

### Question 411

A relation is in Boyce Codd Normal Form (BCNF) if and only if it is in 3NF and every determinant is a candidate key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904714>

### Question 412

Question 1. A data mart differs from a data warehouse in all the following ways except \_\_\_\_\_.

- data marts use more operational data
- it deals with a particular component or functional area of the business
- data mart users do not have the data management expertise of data warehouse employees
- it has a smaller database

Question 2. A BI reporting system \_\_\_\_\_.

- creates meaningful information from disparate data sources.
- delivers information to users on a timely basis.
- uses statistical procedures to predict future events.
- Both creates meaningful information from disparate data sources and delivers information to users on a timely basis are correct

Answer: <https://biology-forums.com/index.php?topic=1906371>

### Question 413

A new MySQL database is created using the New Database dialog box.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905733>

### Question 414

Which of the following is true about JSP code?

- It must be written in Java or JavaScript.
- It does not have access to HTTP functionality.
- It must be coded as complete Java classes and methods.
- It is automatically converted into Java servlets.

Answer: <https://biology-forums.com/index.php?topic=1905991>

### Question 415

Even if an organization has a very large database, it will be possible to make a complete backup copy of the operational database prior to making structural changes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905262>

### Question 416

SQL can only query a single table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904509>

### Question 417

When running an SQL query that uses NOT EXISTS, the NOT EXISTS keyword will be true if \_\_\_\_\_.

- any row in the subquery meets the condition
- all rows in the subquery meet the condition
- no row in the subquery meets the condition
- any row in the subquery fails to meet the condition

Answer: <https://biology-forums.com/index.php?topic=1905294>

### Question 418

Domain/key normal form requires that every constraint be a logical consequence of the definition of domains and keys.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904722>

### Question 419

The Microsoft Access wildcard character "\*" (asterisk) indicates a sequence of one or more unspecified characters in a Microsoft Access SQL query.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904532>

### Question 420

Question 1. For a workstation running the Windows operating system, the user file system permissions Modify and Write must be granted to the Users group at the \_\_\_\_\_ folder.

- wwwroot
- inetpub
- Web
- eclipse

Question 2. Before installing the NetBeans IDE, we must install \_\_\_\_\_.

- the Java JRE

- Microsoft IIS server
- PHP
- the PHP plugin

Answer: <https://biology-forums.com/index.php?topic=1906349>

### Question 421

When using the COUNT function, the result is the count of all rows including those that are NULL.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904541>

### Question 422

If you have a table with a set of columns named "Child01", "Child02" and "Child03", the table is likely to have the multivalued, multicolumn problem.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904807>

### Question 423

Question 1. Market basket analysis is \_\_\_\_\_.

- a data mart specific technique
- a reporting technique
- an OLAP application
- a data mining technique

Question 2. Here is Market Basket data for 1,000 transactions at a Drug Store. All transactions involve 1 or 2 drugs. Use the table below to answer the following questions.

1,000

Transactions Drug A

500 Drug B

300 Drug C

200 Drug A 100 125 Drug B 100 257 5 Drug C 125 750 No Additional Drug 275 1000

Refer to the table above. What is the definition of support for Drug A and Drug B?

- The probability that Drug A will be purchased.
- The probability that Drug B will be purchased.
- The probability that both Drug A and Drug B will be purchased.
- The probability that Drug A will be purchased given that Drug B has been purchased.

Answer: <https://biology-forums.com/index.php?topic=1906376>

### Question 424

In Oracle Database security, a System Privilege is the right to execute general tasks such as performing some action on the database data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905620>

### Question 425

A database designed to combine two databases used by the Sales department is a database being designed \_\_\_\_\_.

- from existing data
- as a new systems development project
- as a redesign of an existing database
- Both from existing data and as a new systems development project are correct

Answer: <https://biology-forums.com/index.php?topic=1904473>

### Question 426

Question 1. For a Web server running the Windows operating system, the Web server typically used is \_\_\_\_\_.

- the IIS Web server
- the Apache Web server
- the Tomcat Web server
- the ASP.NET Web server

Question 2. For a Web server running the Linux operating system, the Web server typically used is \_\_\_\_\_.

- the IIS Web server
- the Apache Web server
- the Tomcat Web server
- the ASP.NET Web server

Answer: <https://biology-forums.com/index.php?topic=1906347>

### Question 427

The largest databases in e-commerce are the order entry databases.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904361>

### Question 428

One means of processing an SQL Server database is to save groups of SQL Server DBMS commands in a text file and then process this file in the Microsoft SQL Server Management Studio.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905471>

### Question 429

The clause SELECT COUNT (\*) results in a table with a single row and a single column.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904540>

### Question 430

In a multivalued attribute pattern many different multivalued attributes can be created.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904946>

### Question 431

The default cursor concurrency setting for a keyset cursor in SQL Server is \_\_\_\_\_.

- Pessimistic
- Optimistic
- Serializable
- Read only

Answer: <https://biology-forums.com/index.php?topic=1905530>

### Question 432

Copies of each database record or page after it was changed by a transaction that are saved for use in database recovery are called ghost images.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905390>

### Question 433

An inconsistent values problem is created when different users have coded the same data entries differently.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904809>

### Question 434

Locks placed by a command issued to the DBMS from the application program are called explicit locks.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905358>

### Question 435

The SQL Server default when creating a new database is to create \_\_\_\_\_ for each database.

- one data file and one log file
- one data file and two log files
- two data files and one log file
- There is no default—the database creator must specify how many data files and log files will be created.

Answer: <https://biology-forums.com/index.php?topic=1905501>

### Question 436

The JOIN operator is used to combine two or more tables by concatenating (sticking together) the rows of one table with the rows of another table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904552>

### Question 437

In SQL Server, insert and update triggers store new values in a pseudotable named inserted.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905479>

### Question 438

Hardware specifications are determined during the \_\_\_\_\_ step of the SDLC.

- system definition
- requirements analysis
- component design
- implementation

Answer: <https://biology-forums.com/index.php?topic=1906135>

### Question 439

To support rollforward and rollback recovery, transactions must be written to a script before they are applied to the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905394>

### Question 440

You are given an E-R diagram with two entities, ORDER and CUSTOMER, as shown above, and are asked to draw the relationship between them. If a given customer can place only one order and a given order can be placed by at most one customer, which of the following should be indicated in the relationship symbol between the two entities?

- N:M
- 1:1
- 1:N
- N:1

Answer: <https://biology-forums.com/index.php?topic=1904968>

### Question 441

In a database, each table stores data about a different type of thing.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904353>

### Question 442

Which of the following is not a good reason for designing a data model?

- It's easier to change things in the data model than it is in the actual DBMS.
- The data model provides a simplified view of the database that can be shown to people who don't need to see all the details.
- Creating a data model will help you understand the application area better.

• The data model can be discarded after the database is operational.

Answer: <https://biology-forums.com/index.php?topic=1904957>

### Question 443

The process of reading an actual database schema and producing a data model from that schema is called reverse engineering.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905253>

### Question 444

The columns to be obtained by an SQL command are listed after the FROM keyword.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904511>

### Question 445

Question 1. An XML document may have as many multivalued paths as an application requires.

- true
- false

Question 2. Materialization of a document is expressed in an XML document, whereas content is expressed in an XSL document.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906358>

### Question 446

MySQL does not have facilities for generating XML documents from database data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905946>

### Question 447

All relations are tables, but not all tables are relations.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904666>

### Question 448

Given the table CUSTOMER(CustID, Name, PhoneNumber, AccountBalance), write the standard SQL query to retrieve the Name and PhoneNumber of customers with a balance greater than 50.

Answer: <https://biology-forums.com/index.php?topic=1904605>

### Question 449

A binary relationship is a relationship based on numerical entity instance identifiers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904920>

### Question 450

The CODASYL DBTG model structured data relationships as a tree structure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904439>

### Question 451

Which of the following is not included in Michael Porter's list of support activities?

- Technology management



- Customer service
- Human resources management
- Firm infrastructure management

Answer: <https://biology-forums.com/index.php?topic=1906133>

### Question 452

IDEF1X nonspecific relationships correspond to N:M relationships in the extended E-R model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906149>

### Question 453

Because SQL statements are table-oriented, whereas programs are element-oriented, the results of SQL statements used in programs are accessed using \_\_\_\_\_.

- standard programming tools
- custom written programming tools
- an SQL cursor
- an SQL trigger

Answer: <https://biology-forums.com/index.php?topic=1905199>

### Question 454

A relation is in third normal form (3NF) if and only if it is in 2NF and \_\_\_\_\_.

- all non-key attributes are determined by the entire primary key
- there are no non-key attributes determined by another non-key attribute
- every attribute is a candidate key
- every candidate key is a determinant

Answer: <https://biology-forums.com/index.php?topic=1904749>

### Question 455

An ADO.NET DataSet has all the characteristics, features, and functions of a regular database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905917>

### Question 456

SQL commands can be embedded in application programs.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904504>

### Question 457

Explain denormalization, and why it may be appropriate to denormalize a set of tables.

Answer: <https://biology-forums.com/index.php?topic=1904858>

### Question 458

In Microsoft Visio 2016, a group of template objects is called a stencil.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906177>

### Question 459

MySQL uses the "Safe Updates"--Forbid UPDATE and DELETE statements with no key in WHERE clause or no LIMIT clause--checkbox to control the behavior of UPDATE and DELETE statements run from the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905757>

### Question 460

Typically, there are at least four different copies of the database schema used in the redesign process.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905260>

### Question 461

Question 1. A compound object is a semantic object that contains at least one \_\_\_\_\_.

- single-value, group attribute
- multi-value, simple or group attribute
- object attribute
- multi-value attribute

Question 2. A composite object is a semantic object that contains \_\_\_\_\_.

- single-value, simple or group attributes, but no object attributes
- at least one object attribute
- at least one multi-value, simple or group attribute but no object attributes
- at least one multi-value, object attribute

Answer: <https://biology-forums.com/index.php?topic=1906255>

### Question 462

A hash mark across the relationship line near an entity indicates \_\_\_\_\_.

- a maximum cardinality of "zero"
- a maximum cardinality of "one"
- a minimum cardinality of "optional"
- a minimum cardinality of "required"

Answer: <https://biology-forums.com/index.php?topic=1904973>

### Question 463

Sorting is specified using the SORT BY phrase.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904520>

### Question 464

What is SQL Developer?

Answer: <https://biology-forums.com/index.php?topic=1905712>

### Question 465

Question 1. A document database is designed to provide \_\_\_\_\_.

- fast processing of queries over a single large collection of similar documents
- fast processing of queries over a multiple large collection of similar documents
- normal processing of queries over a single large collection of similar documents
- normal processing of queries over a multiple large collection of different documents

Question 2. Typical commands available in a document database include all the following except \_\_\_\_\_.

- insert
- update
- reference
- delete

Answer: <https://biology-forums.com/index.php?topic=1906397>

### Question 466

According to the SQL-92 standard, statements used to construct views cannot contain \_\_\_\_\_.

- the SELECT clause
- the FROM clause
- the WHERE clause
- the ORDER BY clause

Answer: <https://biology-forums.com/index.php?topic=1905192>

### Question 467

The SQL Server DBMS supports the SQL BEFORE trigger.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905163>

### Question 468

The SQL Server GUI program is the Enterprise Manager.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905444>

### Question 469

The most widely used Web server for all operating systems is Internet Information Services (IIS).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905891>

### Question 470

Basic Web pages are created using Hypertext Markup Language (HTML).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905936>

### Question 471

If a DEFAULT constraint is included when a new column is added to a table, the default value is only applied to new rows and not to the existing rows at the time the new column is added.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905268>

### Question 472

Question 1. By default, the cardinality of both simple and complex elements is \_\_\_\_\_.

- 1:1
- 1:N
- N:1
- N:M

Question 2. XML makes a clear separation between all of the following except \_\_\_\_\_.

- structure
- content
- vocalization
- materialization

Answer: <https://biology-forums.com/index.php?topic=1906363>

### Question 473

SQL Server tables can be created and modified using \_\_\_\_\_.

- Enterprise Manager
- Query Analyzer
- Microsoft SQL Server Management Studio
- Both Enterprise Manager and Query Analyzer are correct

Answer: <https://biology-forums.com/index.php?topic=1905503>

### Question 474

The system is updated with patches, service packs and new software releases during the \_\_\_\_\_ step of the SDLC.

- requirements analysis

- component design
- implementation
- systems maintenance

Answer: <https://biology-forums.com/index.php?topic=1906138>

### Question 475

Sequences are most often used to provide values for surrogate keys.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905627>

### Question 476

MySQL supports INSTEAD OF triggers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905751>

### Question 477

Which of the following commands does Oracle Database not support?

- CREATE TABLE
- CREATE CONSTRAINT
- ON DELETE CASCADE
- ON UPDATE CASCADE

Answer: <https://biology-forums.com/index.php?topic=1905677>

### Question 478

A single relationship class involves only one entity class.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904919>

### Question 479

The Oracle SQL Developer has no facility for executing SQL statements.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905639>

### Question 480

To represent an archetype/instance pattern in an E-R model, \_\_\_\_\_.

- create a new ID-dependent entity with a 1:N relationship
- create a new weak, but not ID-dependent entity with a 1:N relationship
- create a new strong entity with a 1:1 relationship
- create a new ID-dependent entity with a 1:1 relationship

Answer: <https://biology-forums.com/index.php?topic=1904987>

### Question 481

If a table is designed so that every determinant is a candidate key, then that relation is in \_\_\_\_\_.

- First Normal Form
- Second Normal Form
- Third Normal Form
- Boyce-Codd Normal Form

Answer: <https://biology-forums.com/index.php?topic=1904751>

### Question 482

An SQL view involves saved SQL query.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906106>

### Question 483

The default cursor concurrency for a dynamic cursor in SQL Server is optimistic.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905485>

### Question 484

Semantic objects represent the user's perceptions more closely than the E-R model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906219>

### Question 485

Explain two ways of creating tables in SQL Server.

Answer: <https://biology-forums.com/index.php?topic=1905535>

### Question 486

What is a reporting system?

Answer: <https://biology-forums.com/index.php?topic=1906091>

### Question 487

You can include single line comments in an Oracle Database stored procedure by starting each comment line with the /\* symbol.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905650>

### Question 488

Processing rights may be implemented at the DBMS level.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905384>

### Question 489

When designing a database, one of the candidate keys in a relation is selected as the \_\_\_\_\_.

- composite key
- primary key
- foreign key
- surrogate key

Answer: <https://biology-forums.com/index.php?topic=1904739>

### Question 490

The UNIQUE keyword is used to define alternate keys.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905129>

### Question 491

It is easy to enforce the referential integrity actions for N:M relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905065>

### Question 492

The SQL keyword SELECT is used to specify the columns to be listed in the query results.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904506>

### Question 493

Why do databases need redesigning?

Answer: <https://biology-forums.com/index.php?topic=1905321>

### Question 494

To limit the number of rows retrieved from a table, use \_\_\_\_\_.

- SELECT \*
- SELECT TOP n \*
- SELECT COUNT(TOP n)
- SELECT COUNT(\*)

Answer: <https://biology-forums.com/index.php?topic=1904829>

### Question 495

In an SQL query, which SQL keyword begins the query?

- EXISTS
- FROM
- SELECT
- WHERE

Answer: <https://biology-forums.com/index.php?topic=1904564>

### Question 496

How are one-to-one recursive relationships addressed using the relational model?

Answer: <https://biology-forums.com/index.php?topic=1905098>

### Question 497

In SQL Server, it is not possible to make dirty reads.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905484>

### Question 498

Which of the following Oracle Database structures is a logical subdivision of an Oracle Database database instance that is used to group related tables, views, and other similar objects?

- Namespace
- Filespace
- Tablespace
- Dataspace

Answer: <https://biology-forums.com/index.php?topic=1905676>

### Question 499

Which type of lock prevents all types of access to the locked resource?

- Exclusive lock
- Shared lock
- Explicit lock
- Implicit lock

Answer: <https://biology-forums.com/index.php?topic=1905410>

### Question 500

The third step in assessing table structure is to check the validity of presumed referential integrity constraints.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904779>

### Question 501

Question 1. What are the elements of a graph database?

Question 2. The two most popular document-oriented formats for storing data are XML and JSON.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906388>

### Question 502

A form of multivalued dependency is found in \_\_\_\_\_.

- the multivalued, multicolumn problem
- the inconsistent values problem
- the missing values problem
- the general-purpose remarks column problem

Answer: <https://biology-forums.com/index.php?topic=1904844>

### Question 503

Question 1. The real power of JSON lies in the definition of "structure".

- true
- false

Question 2. Data can be created in the ArangoDB by using the Upload button.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906390>

### Question 504

In the event of an application failure, Oracle Database uses the in-memory rollback segments and OnLine ReDo files to recover.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905665>

### Question 505

Database views can only be created in SQL Server using SQL commands.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905469>

### Question 506

In the 1990s the database community and the document processing community created a standard called Expandable Markup Language (XML).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905941>

### Question 507

In an E-R model, the three types of minimum cardinality are mandatory, optional, and indeterminate.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904933>

### Question 508

An intersection table is always ID-dependent on both of its parent tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905040>

### Question 509

In an SQL query, which SQL keyword is used with built-in functions to group together rows that have the same value in a specified column or columns?

- GROUP BY
- ORDER BY
- SELECT
- SORT BY

Answer: <https://biology-forums.com/index.php?topic=1904583>

### Question 510

The CREATE TABLE statement is used to name a new table and describe the table's columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905123>

### Question 511

Which of the following is not true about representing subtypes in a relational database design?

- One table is created for the supertype and one for each subtype.
- All attributes of the supertype are added to the subtype relations.
- The key of the supertype is made the key of the subtypes.
- An instance of the supertype may be related to one instance each of several subtypes.

Answer: <https://biology-forums.com/index.php?topic=1905085>

### Question 512

In database systems, indexes are held in the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904369>

### Question 513

An exclusive lock locks the item from change, but not from read access.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905356>

### Question 514

A \_\_\_\_\_ is used to limit the possible values of a foreign key.

- composite key
- surrogate key
- functional dependency
- referential integrity constraint

Answer: <https://biology-forums.com/index.php?topic=1904743>

### Question 515

Which of the following is considered to be a weak entity?

- A subtype entity
- The archetype in an archetype/instance pattern
- The association entity in an association pattern
- The parent entity in a parent-child relationship

Answer: <https://biology-forums.com/index.php?topic=1904979>

### Question 516

To exclude one or more values using a condition, the OUT keyword must be used.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904526>

### Question 517



In representing a 1:N relationship in a relational database design, the key of the table representing the parent entity is placed as a foreign key in the table representing the child entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905030>

### Question 518

How does an application determine the level of ODBC conformance available from a driver?

- The application makes a call to the driver manager.
- The application makes a call to the data source.
- The application makes a call to the driver.
- The developer must determine the level of conformance before the application is written.

Answer: <https://biology-forums.com/index.php?topic=1905958>

### Question 519

An exclusive lock locks the item from access of any type.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905355>

### Question 520

One advantage of using the CONSTRAINT command to define a primary key is that the database designer controls the name of the constraint.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905128>

### Question 521

In IDEF1X, extended E-R model subtype entities are called \_\_\_\_\_.

- generic entities
- category entities
- nonspecific entities
- category clusters

Answer: <https://biology-forums.com/index.php?topic=1906164>

### Question 522

In IDEF1X, a non-specific relationship is indicated by \_\_\_\_\_.

- a hollow circle on each end of the solid relationship line
- no circles on either end of the dotted relationship line
- a solid circle on each end of the solid relationship line
- a solid circle on each end of the dotted relationship line

Answer: <https://biology-forums.com/index.php?topic=1906171>

### Question 523

The condition that a non-key attribute determines another non-key attribute is known as transitive dependency.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904710>

### Question 524

Changing cardinalities \_\_\_\_\_.

- never occurs in database redesign
- rarely occurs in database redesign
- commonly occurs in database redesign
- always occurs in database redesign

Answer: <https://biology-forums.com/index.php?topic=1905312>

### Question 525

Question 1. Data mining applications are used to accomplish all of the following tasks except \_\_\_\_\_.

- update the database
- make predications
- facilitate decision making
- perform what-if analysis

Question 2. Which of the following is (are) true about data mining applications?

- They use sophisticated mathematical techniques.
- They use sophisticated statistical techniques.
- Their report delivery is more difficult than report delivery for reporting systems.
- Both They use sophisticated mathematical techniques and They use sophisticated statistical techniques are correct

Answer: <https://biology-forums.com/index.php?topic=1906369>

### Question 526

JSP pages \_\_\_\_\_.

- are automatically compiled by the servlet processor as needed
- are required to be compiled by the developer before being made public
- are automatically checked for syntax errors by the servlet as they are written
- uses more memory than CGI files

Answer: <https://biology-forums.com/index.php?topic=1905993>

### Question 527

A continuous circular process of changes in user behaviors and change in the information systems they use is a natural outcome of information system use.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905229>

### Question 528

A data source that is fully SQL-compliant would use what type of DBMS driver?

- Single-tier
- Multiple-tier
- SQL transform
- Text-based

Answer: <https://biology-forums.com/index.php?topic=1905957>

### Question 529

Sequenced Query Language (SQL) is an internationally recognized standard language that is understood by all commercial database management system products.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904368>

### Question 530

When running a correlated subquery, the DBMS always uses \_\_\_\_\_.

- regular processing
- nested processing
- "quick and dirty" processing
- SQL-92 processing

Answer: <https://biology-forums.com/index.php?topic=1905289>

### Question 531

Recovering a database via reprocessing involves \_\_\_\_\_.

- restoring the database from the save and reprocessing all the transactions since the save
- restoring the database from the save and reapplying all the changes made by transactions since the save
- undoing the changes made by erroneous or partially processed transactions and restarting the valid transactions that were in process at the time of the failure
- recreating the database by reentering all of the data from the beginning, and then reprocessing all of the transactions

Answer: <https://biology-forums.com/index.php?topic=1905425>

### Question 532

What are general-purpose remarks columns, and why are they a problem?

Answer: <https://biology-forums.com/index.php?topic=1904862>

### Question 533

The Microsoft Access 2016 Ribbon contains all of the following command tabs except \_\_\_\_\_.

- HOME
- SQL
- EXTERNAL DATA
- DATABASE TOOLS

Answer: <https://biology-forums.com/index.php?topic=1906110>

### Question 534

Question 1. NetBeans is a development environment that can be used for PHP program development.

- true
- false

Question 2. Apache is the Web server typically used on computers running the Windows operating system.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906342>

### Question 535

Writing SQL subqueries and joins against normalized tables is simple compared to the code that must be written to handle anomalies from multivalued dependencies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904793>

### Question 536

Question 1. XML is a subset of \_\_\_\_\_.

- SGML
- SXML
- XSLT
- HTML

Question 2. In regard to XML, which of the following statements is NOT true.

- Database processing and document processing need each other.
- Database processing needs document processing for transmitting database views.
- Document processing needs database processing for storing and manipulating data.
- Database processing needs XML to process data in a database.

Answer: <https://biology-forums.com/index.php?topic=1906360>

### Question 537

Each of the following is a way of inserting data into a Microsoft Access table except \_\_\_\_\_.

- Datasheet view
- a data entry form
- QBE
- SQL

Answer: <https://biology-forums.com/index.php?topic=1906117>

### Question 538

Creating a read-only database is a job often given to beginning database professionals.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904795>

### Question 539

Two-phased locking has a growing phase and a shrinking phase.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905363>

### Question 540

The default cursor concurrency setting for a static cursor in SQL Server is \_\_\_\_\_.

- SCROLL\_LOCK
- Optimistic
- Serializable
- Read only

Answer: <https://biology-forums.com/index.php?topic=1905529>

### Question 541

A relation is in 4NF when multivalued dependencies are isolated in their own relation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904720>

### Question 542

The following database will be used in this question:

GENERAL SALES DATABASE:

SALESREP

SalesRepNoRepNameHireDate654Jones01/02/2005734Smith02/03/2007345Chen01/25/2018434Johnson11/23/2004

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

Explain the use of the of SQL keyword SELECT. Include an example based on the CUSTOMER table in the General Sales database.

Answer: <https://biology-forums.com/index.php?topic=1904602>

### Question 543

Subtypes can be exclusive or inclusive.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904952>

### Question 544

The MySQL Installer for Windows requires the \_\_\_\_\_ operating system.

- Suse Linux
- Red Hat Linux
- Android
- Microsoft Windows

Answer: <https://biology-forums.com/index.php?topic=1905776>

### Question 545

In a UML representation of HAS-A relationship, a N:M relationship is expressed as \_\_\_\_\_.

- 
- 
- 
- 

Answer: <https://biology-forums.com/index.php?topic=1906161>

### Question 546

Assuming the "Quantity" column of an ORDER table contains integer data, what does COUNT(Quantity) compute?

- The number of rows in the ORDER table
- The number of non-zero values in the Quantity column
- The number of distinct values in the Quantity column
- The number of non-null values in the Quantity column

Answer: <https://biology-forums.com/index.php?topic=1904582>

### Question 547

Control files, as used by Oracle Database's backup and recovery features, contain records of database changes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905664>

### Question 548

Resources are locked for a shorter amount of time with pessimistic locking because the transaction is pre-processed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905370>

### Question 549

A doubly nested set of NOT EXISTS SELECT statements can be used to find rows that meet some specified condition for every row in a table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905243>

### Question 550

Explain the MySQL Block Structure.

Answer: <https://biology-forums.com/index.php?topic=1905819>

### Question 551

A simple attribute has only one element.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906222>

### Question 552

Relationships between supertypes and subtypes are called IS-A relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904953>

### Question 553

An identifier serves the same role for a table that a key does for an entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904912>

### Question 554

SQL triggers can be used when the DBMS receives an INSERT request.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905160>

### Question 555

Requiring all application programs to lock resources in the same order is a technique for preventing what problem?

- Concurrent update
- Lost update
- Deadlock
- Exclusive locks

Answer: <https://biology-forums.com/index.php?topic=1905414>

### Question 556

When running a correlated subquery, the DBMS \_\_\_\_\_.

- runs the lower SELECT statement by itself and then sends the results to the upper SELECT statement.
- runs the upper SELECT statement by itself and then sends the results to the lower SELECT statement.
- alternates running the lower SELECT statement with running the upper SELECT statement based on each result of the lower SELECT statement
- Either runs the lower SELECT statement by itself and then sends the results to the upper SELECT statement or runs the upper SELECT statement by itself and then sends the results to the lower SELECT statement may be used depending on the query.

Answer: <https://biology-forums.com/index.php?topic=1905288>

### Question 557

In SQL Server, insert and update triggers store old values in a pseudotable named deleted.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905480>

### Question 558

Which type of lock still allows other transactions to have read-only access to the locked resource?

- Exclusive lock
- Shared lock
- Explicit lock
- Implicit lock

Answer: <https://biology-forums.com/index.php?topic=1905411>

### Question 559

In RFM analysis, F stands for "how frequently."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906027>

### Question 560

Which of the following MySQL configuration settings are recommended for use with this book?

- Developer machine
- Multifunction machine
- Decision Support (DSS)/OLAP
- Custom setup that only installs the needed components

Answer: <https://biology-forums.com/index.php?topic=1905778>

### Question 561

Twitter and Facebook use NoSQL databases.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904448>

### Question 562

SQL Server 2017 contains a system-stored procedure named sp\_rename that can be used to change table names.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905264>

### Question 563

Which of the following different copies of the database schema is typically not used in the database redesign process?

- small test database
- data warehouse database
- operational database
- large test database

Answer: <https://biology-forums.com/index.php?topic=1905302>

### Question 564

Multivalued dependencies show up under a different name as the multivalued, multicolumn problem.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904804>

### Question 565

The first step in using a JDBC driver is to establish a connection.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905933>

### Question 566

In a relational database design, all relationships are expressed by creating a foreign key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905023>

### Question 567

SQL statements that can be used to create referential integrity statements for normalized tables are created during the normalization process.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904790>

### Question 568

In Microsoft Visio 2016, the Crow's Foot Database Notation stencil objects include(s) \_\_\_\_\_.

- an Entity object
- a Relationship object
- a Dynamic connector object
- Both an Entity object and a Relationship object are correct

Answer: <https://biology-forums.com/index.php?topic=1906194>

### Question 569

In an SQL query, which of the following symbols is used by ANSI SQL to represent a single unspecified character?

- \_ (underscore)
- ? (question mark)
- \* (asterisk)
- % (percent)

Answer: <https://biology-forums.com/index.php?topic=1904571>

### Question 570

Oracle Database provides only one method for creating a database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905613>

### Question 571

Question 1. Semantic objects are said to be \_\_\_\_\_.

- Semantically self-contained
- Semantically complete
- Semantically inclusive
- Both Semantically self-contained and Semantically complete are correct

Question 2. A version object \_\_\_\_\_.

- may be a composite object
- typically contains the archetype object in its identifier
- is typically a simple object

- produces archetype objects

Answer: <https://biology-forums.com/index.php?topic=1906257>

### Question 572

In Microsoft Visio 2016, the cardinalities of the Relationship connector object end points are formatted using \_\_\_\_\_.

- the Set Begin Symbol command
- the Set End Symbol command
- the Set Non-primary Key Unique column
- Both the Set Begin Symbol command and the Set End Symbol command are correct

Answer: <https://biology-forums.com/index.php?topic=1906198>

### Question 573

Data in columns defined using which of the following data types in Microsoft Access cannot be changed by the user?

- Long Text
- Date/Time
- Number
- AutoNumber

Answer: <https://biology-forums.com/index.php?topic=1906116>

### Question 574

What are SQL Built-in Functions?

Answer: <https://biology-forums.com/index.php?topic=1904607>

### Question 575

The INTERSECT of two relations A and B consists of all rows that are in relation B but are not in relation A.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904559>

### Question 576

In a supertype-subtype structure, discriminator attributes \_\_\_\_\_.

- are easily represented in a relational design
- cannot be represented in a relational design
- require application logic to determine which subtypes correspond to a specific supertype instance
- Both cannot be represented in a relational design and require application logic to determine which subtypes correspond to a specific supertype instance are correct

Answer: <https://biology-forums.com/index.php?topic=1905086>

### Question 577

To drop a constraint, no preliminary steps are needed and we can simply use the ALTER TABLE DROP CONSTRAINT statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905273>

### Question 578

Subtypes and supertypes contain the same identifier and some other attributes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904941>

### Question 579

The SQL keyword FROM is used to specify the table to be used.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904508>



### Question 580

Most of NoSQL nonrelational database methodologies are known as structured storage.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906038>

### Question 581

A table with columns PhoneNumber01, PhoneNumber02, and PhoneNumber03 is likely to have \_\_\_\_\_.

- the multivalued, multicolumn problem
- the inconsistent values problem
- the missing values problem
- the general-purpose remarks column problem

Answer: <https://biology-forums.com/index.php?topic=1904843>

### Question 582

Given a table with the structure: EMPLOYEE (EmpNo, Name, Salary, HireDate), which of the following would find all employees whose name begins with the letter "S" using Microsoft Access?

- SELECT \*  
FROM EMPLOYEE  
WHERE Name IN ['S'];
- SELECT EmpNo  
FROM EMPLOYEE  
WHERE Name LIKE 'S';
- SELECT \*  
FROM EMPLOYEE  
WHERE Name LIKE 'S\*';
- SELECT \*  
FROM EMPLOYEE  
WHERE Name LIKE 'S%';

Answer: <https://biology-forums.com/index.php?topic=1904575>

### Question 583

When assessing table structure, how do you determine the number and types of columns in a table?

Answer: <https://biology-forums.com/index.php?topic=1904855>

### Question 584

Which of the following is not a possible step in the database redesign process?

- Checking whether certain conditions or assumptions about the data are valid
- Reverse engineering the data model
- Revising user account name policies
- Maintaining backups of the existing database

Answer: <https://biology-forums.com/index.php?topic=1905283>

### Question 585

The MODIFY keyword is used to change the structure, properties or constraints of a table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905133>

### Question 586

Rows can be removed from a table by using the DELETE statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905142>

### Question 587

The MySQL keyword used to retrieve a row of data while the cursor is operating is \_\_\_\_\_.

- DECLARE CURSOR {CursorName}
- OPEN {CursorName}
- FETCH
- CLOSE {CursorName}

Answer: <https://biology-forums.com/index.php?topic=1905801>

### Question 588

To start working with MySQL Community Edition in Windows, use the command Start | All Programs | MySQL | MySQL Workbench CE 6.2. (or the version number you have installed).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905728>

### Question 589

SQL Server bulk-logged recovery differs from other log-based recovery methods because it does not include log entries for changes that cause large log entries.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905497>

### Question 590

Microsoft Access 2016 database files are stored using the file extension of \_\_\_\_\_.

- .adb
- .asp
- .accdb
- .mdb

Answer: <https://biology-forums.com/index.php?topic=1906108>

### Question 591

Which of the following can Oracle Database not support?

- Triggers that are fired when a user logs in to the database
- Triggers that are fired before each row change in a table
- Triggers that are fired once when changes are made to rows in a table
- Triggers that are fired after each row change in a table

Answer: <https://biology-forums.com/index.php?topic=1905699>

### Question 592

What is a surrogate key and how does Microsoft Access 2016 create surrogate keys?

Answer: <https://biology-forums.com/index.php?topic=1906122>

### Question 593

In Microsoft Visio 2016, clicking the File command tab opens the Backstage view.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906175>

### Question 594

In a 1:N relationship, the parent entity is on the one side of the relationship, and the child entity is on the many side of the relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904930>

### Question 595

An artificial column added to a relation to serve as the primary key is a \_\_\_\_\_.

- composite key
- candidate key

- foreign key
- surrogate key

Answer: <https://biology-forums.com/index.php?topic=1904740>

### Question 596

What is the purpose of a database, and how does the database accomplish this purpose?

Answer: <https://biology-forums.com/index.php?topic=1904485>

### Question 597

Specifying locking hints in which parameter in an SQL clause can modify locking behavior in SQL Server?

- SELECT
- WITH
- LOCK
- HINT

Answer: <https://biology-forums.com/index.php?topic=1905531>

### Question 598

The MySQL Workbench is the main utility used to implement MySQL security.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905763>

### Question 599

Explain how to create an SQL view in Access 2016.

Answer: <https://biology-forums.com/index.php?topic=1906124>

### Question 600

The PL/SQL keyword BEGIN is used to define a group of PL/SQL statements.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905643>

### Question 601

The task of diagnosing errors due to changes in the database structure is eased by \_\_\_\_\_.

- formal policies for requesting changes
- database structure change documentation
- rollback analysis
- configuration control

Answer: <https://biology-forums.com/index.php?topic=1905402>

### Question 602

To set a column value to an initial value that is selected according to some complicated business logic, you would use the DEFAULT constraint with the CREATE TABLE command.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905165>

### Question 603

Which of the following statements is not true for primary keys in a relational database system?

- They can be used to create relationships between tables.
- They must contain numeric data.
- They uniquely identify a row in a table.
- They can be part of relational integrity constraints.

Answer: <https://biology-forums.com/index.php?topic=1904468>

### Question 604

Databases record data in such a way that they can produce information.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904358>

### Question 605

In Microsoft Visio 2016, how do we create data models?

Answer: <https://biology-forums.com/index.php?topic=1906200>

### Question 606

Explain the importance of documenting changes in database structure.

Answer: <https://biology-forums.com/index.php?topic=1905432>

### Question 607

Business organizations have resisted adopting object-oriented database management systems because \_\_\_\_\_.

- the cost of purchasing OODBMS packages is prohibitively high
- the cost of converting data from relational databases to OODBMSs is too high
- most large organizations have older applications that are not based on object oriented programming
- Both the cost of converting data from relational databases to OODBMSs is too high and most large organizations have older applications that are not based on object oriented programming are correct

Answer: <https://biology-forums.com/index.php?topic=1904482>

### Question 608

When transforming an ID-dependent E-R data model relationship into a relational database design where the child entity is designed to use a surrogate key, the relationship changes to a weak but not ID-dependent relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905048>

### Question 609

SQL Server supports three recovery models: simple, complex and bulk logged.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905496>

### Question 610

\_\_\_\_\_ is a DBMS that provides a full set of object-relational features.

- Oracle Database
- Microsoft Access
- Microsoft SQL Server 2017
- MySQL

Answer: <https://biology-forums.com/index.php?topic=1906083>

### Question 611

SQL stands for Standard Query Language.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904497>

### Question 612

Each row in a database table is also known as a record.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904437>

### Question 613

Converting date, money, or other more specific data types to char or varchar will usually succeed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905274>

### Question 614

A characteristic of a relation is that the cells of the relation hold a single value.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904668>

### Question 615

Question 1. Simple elements can have attributes.

- true
- false

Question 2. Simple elements have a single data item, whereas complex elements contain other elements that can be either simple or complex.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906355>

### Question 616

The MySQL delimiter that must be used with MySQL procedures as used in this text is \_\_\_\_\_.

- /
- \
- //
- \\

Answer: <https://biology-forums.com/index.php?topic=1905797>

### Question 617

Java programs that access a database from an applet must use a Type 2 JDBC driver.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905932>

### Question 618

Which of the following is not an ANSI SQL trigger?

- BEFORE UPDATE
- INSTEAD OF UPDATE
- AFTER INSERT
- INSTEAD OF CONSTRAINT

Answer: <https://biology-forums.com/index.php?topic=1905201>

### Question 619

If you see a column name Notes, it is likely that this is a general-purpose remarks column.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904821>

### Question 620

ADO is frequently used for database applications.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905914>

### Question 621

The SELECT command is used to retrieve view instances.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905147>

### Question 622

In addition to the basic command tabs, Microsoft Access 2016 also has additional contextual command tabs.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906100>

### Question 623

Attribute Y is functionally dependent on attribute X if the value of attribute X determines the value of Y.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904678>

### Question 624

Distinguish between the HAVING and WHERE clause.

Answer: <https://biology-forums.com/index.php?topic=1904609>

### Question 625

A determinant that determines all the other columns in a relation is a \_\_\_\_\_.

- record
- surrogate key
- foreign key
- candidate key

Answer: <https://biology-forums.com/index.php?topic=1904738>

### Question 626

SQL Server user variables and parameters start with the @ symbol.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905473>

### Question 627

The binary constraint must cover indicates that \_\_\_\_\_.

- a specific binary relationship must be included in a ternary relationship
- a binary relationship includes a set of value combinations that must all occur in a ternary relationship
- a table includes values that must occur in a binary relationship
- a table includes values that must occur in a ternary relationship

Answer: <https://biology-forums.com/index.php?topic=1905090>

### Question 628

Describe how to create a new database in MySQL Community Edition.

Answer: <https://biology-forums.com/index.php?topic=1905813>

### Question 629

The first step in the database design process is to create tables and columns from entities and attributes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905003>

### Question 630

Distinguish between the primary key and a candidate key.

Answer: <https://biology-forums.com/index.php?topic=1904759>

### Question 631

Practical problems in designing databases from existing data include all of the following except \_\_\_\_\_.

- The multivalued, multicolumn problem
- functional dependencies
- Inconsistent values
- Missing values

Answer: <https://biology-forums.com/index.php?topic=1904834>

### Question 632

Which of the following is allowed by "Repeatable Read Isolation"?

- Nonrepeatable reads
- Dirty reads
- Phantom reads
- Both Nonrepeatable reads and Dirty reads are correct

Answer: <https://biology-forums.com/index.php?topic=1905420>

### Question 633

According to the text, Microsoft's SQL Server is the easiest DBMS to use.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904387>

### Question 634

Question 1. Describe the two ways that semantic object views can be used.

Question 2. Distinguish between the physical description and the semantic description of an attribute domain.

Answer: <https://biology-forums.com/index.php?topic=1906259>

### Question 635

Because SQL statements are set-oriented, whereas programs are element-oriented, the results of SQL statements used in programs are treated as \_\_\_\_\_.

- tables
- rows
- files
- pseudofiles

Answer: <https://biology-forums.com/index.php?topic=1905198>

### Question 636

MySQL users may be granted MySQL server administrative roles.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905767>

### Question 637

In Microsoft Access, you can use ODBC to connect to SQL Server in place of the ADE database engine.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904380>

### Question 638

A referential integrity constraint policy that insures that foreign key values in a table are correctly maintained when there is a change to the primary key value in the parent table is called \_\_\_\_\_.

- incremental updates
- incremental deletes
- cascading updates
- cascading deletes

Answer: <https://biology-forums.com/index.php?topic=1905092>

### Question 639

The Oracle tool used to copy data into a database table from a spreadsheet is called the \_\_\_\_\_.

- Spreadsheet Wizard
- Data Import Wizard
- Database Configuration Assistant
- Enterprise Manager Database Express

Answer: <https://biology-forums.com/index.php?topic=1905686>

### Question 640

As compared to CGI files, JSP pages \_\_\_\_\_.

- are less memory efficient
- require more processor time
- execute faster
- keep more copies of a given page in memory

Answer: <https://biology-forums.com/index.php?topic=1905994>

### Question 641

Business organizations have resisted adopting object-oriented database systems because the cost of purchasing OODBMS packages is prohibitively high.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904444>

### Question 642

An entity's minimum cardinality in a relationship indicates the number of entity instances that must participate in the relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904931>

### Question 643

The spreadsheet data must first be highlighted (selected) to be imported using the MySQL for Excel Add-In.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905726>

### Question 644

Question 1. What additional permissions must be assigned before a user can work with files on the IIS Web server?

Question 2. XML is an acronym for Extended Markup Language.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906352>

### Question 645

Deciding whether or not an attribute is required is determined during the data modeling phase.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905015>

### Question 646

HTML is defined by the World Wide Web Consortium (W3C).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905937>

### Question 647

Explain the essential format of the CREATE TABLE statement. Include an example.

Answer: <https://biology-forums.com/index.php?topic=1905217>



### Question 648

Regarding database security, neither the DBMS nor the database applications can enforce processing responsibilities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905382>

### Question 649

In an SQL query, which SQL keyword is used to specify the names of tables to be joined?

- FROM
- HAVING
- JOIN
- WHERE

Answer: <https://biology-forums.com/index.php?topic=1904592>

### Question 650

Briefly describe NetBeans.

Answer: <https://biology-forums.com/index.php?topic=1906008>

### Question 651

XML documents can be automatically generated from database data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905943>

### Question 652

In today's E-R models, attributes of relationships are still used.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904918>

### Question 653

Using only SQL Server tools, you can enter data into a table by \_\_\_\_\_.

- entering it into a table grid in the Microsoft SQL Server Management Studio
- using INSERT statements through the Microsoft SQL Server Management Studio
- using an SQL Server form
- Both entering it into a table grid in the Microsoft SQL Server Management Studio and using INSERT statements through the Microsoft SQL Server Management Studio are correct

Answer: <https://biology-forums.com/index.php?topic=1905509>

### Question 654

Question 1. In a Flat versus Structured Schema, a Flat Schema contains all of the row elements at the same level.

- true
- false

Question 2. Schemas are sometimes called structured schemas because they add structure to table columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906356>

### Question 655

Unlike the anomalies from functional dependencies, the anomalies from \_\_\_\_\_ are so serious that they should always be eliminated.

- general purpose remarks columns
- sales orders and line items
- association patterns
- multivalued dependencies

Answer: <https://biology-forums.com/index.php?topic=1904838>

### Question 656

The CurrVal method provides the current value in a sequence.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905629>

### Question 657

A database is called self-describing because it reduces data duplication.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904389>

### Question 658

Microsoft Access includes \_\_\_\_\_.

- a DBMS
- an application generator
- a Web server
- Both a DBMS and an application generator are correct

Answer: <https://biology-forums.com/index.php?topic=1904457>

### Question 659

Which of the following is not true about locks?

- Locks with large granularity are easier for the DBMS to administer.
- Locks with small granularity cause more conflicts.
- Locks may have a database-level granularity.
- Locks may have a table-level granularity.

Answer: <https://biology-forums.com/index.php?topic=1905409>

### Question 660

Relations are sometimes left unnormalized to improve performance.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904785>

### Question 661

The disadvantages of normalization include \_\_\_\_\_.

- the elimination of modification anomalies
- the elimination of duplicated data
- more complex SQL for multitable subqueries and joins
- Both the elimination of modification anomalies and the elimination of duplicated data are correct

Answer: <https://biology-forums.com/index.php?topic=1904833>

### Question 662

When you are creating a database from existing data, you will have only minor problems with inconsistent values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904808>

### Question 663

A dirty read happens when one transaction reads a changed record that has not been committed to the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905375>

### Question 664

Which of the following is a task performed by the driver according to the ODBC standard?

- Determines the appropriate DBMS
- Validates the format of the ODBC command received from the application
- Converts data source error codes into ODBC standard error codes
- Converts the data source into an SQL-compliant data structure

Answer: <https://biology-forums.com/index.php?topic=1905955>

### Question 665

The PL/SQL keywords FOR, WHILE, and LOOP are used to create blocks of code that repeat until an ending condition is reached.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905645>

### Question 666

The SQL built-in function COUNT computes the number of rows in a query.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904538>

### Question 667

Which type of data repository is composed of metadata that is created automatically as the system components are created?

- Passive
- Dynamic
- Active
- Automatic

Answer: <https://biology-forums.com/index.php?topic=1905431>

### Question 668

The only difference between a JDBC driver type 2 & 3 is that one connects to a DBMS-independent network, while the other connects to a DBMS-dependent network.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905924>

### Question 669

Referential integrity constraints should disallow adding a new row to a child table when the foreign key does not match a primary key value in the parent table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905056>

### Question 670

In order to make sure the database redesign is working properly during the redesign testing process, a means must be created to \_\_\_\_\_.

- reverse engineer all test databases
- graph dependencies in all test databases
- recover all test databases to their original state
- re-interview all relevant users

Answer: <https://biology-forums.com/index.php?topic=1905303>

### Question 671

In IDEF1X, the two kinds of domains are \_\_\_\_\_.

- base and column
- base and type
- type and column
- entity and type

Answer: <https://biology-forums.com/index.php?topic=1906167>

### Question 672

Which of the following is not true about Tomcat?

- It is a servlet processor.
- It can be used as a standalone Web server.
- It is often used in conjunction with Apache.
- It is an applet processor.

Answer: <https://biology-forums.com/index.php?topic=1905992>

### Question 673

Design guidelines and priorities are the same whether you're working with an updatable database or a read-only database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904797>

### Question 674

The columns of a relation are sometimes called tuples.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904673>

### Question 675

In an enterprise-class database system, a database application interacts with the DBMS.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904381>

### Question 676

In a correlated subquery, the DBMS can run the lower SELECT statement by itself and then send the results to the upper SELECT statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905238>

### Question 677

When examining data values as a part of assessing table structure, there is no need to determine candidate keys other than the table's primary key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904777>

### Question 678

In Microsoft Visio 2016, describe the possible cardinality settings for a Relationship object that can be set in the symbols menu in a database design, and how these settings correspond to the IE Crow's Foot symbols shown in Figure D-20.

Answer: <https://biology-forums.com/index.php?topic=1906203>

### Question 679

Briefly describe the components of the ODBC architecture.

Answer: <https://biology-forums.com/index.php?topic=1906000>

### Question 680

With Oracle Database, stored procedures can be invoked remotely.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905641>

### Question 681

A "composite object" cannot contain more than one multivalued attribute.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906228>

### Question 682

When creating SQL Server tables in a database, SQL statements can now also be submitted by using \_\_\_\_\_.

- Internet Explorer
- Microsoft PowerShell
- Microsoft Excel
- PL/SQL

Answer: <https://biology-forums.com/index.php?topic=1905504>

### Question 683

Rollforward and reprocessing are two different names for the same technique.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905393>

### Question 684

In Microsoft Visio 2016, the Crow's Foot Database Notation stencil objects include a Category object.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906180>

### Question 685

In relational database design, ID-dependent entities are not used to \_\_\_\_\_.

- represent N:M relationships
- handle associative relationships
- represent relationships where the child identifier does not include the key of the parent
- handle archetype/instance relationships

Answer: <https://biology-forums.com/index.php?topic=1905081>

### Question 686

The situation that occurs when one user's changes to the database are lost by a second user's changes to the database is known as the \_\_\_\_\_.

- lost update problem
- deadly embrace problem
- inconsistent read problem
- inconsistent write problem

Answer: <https://biology-forums.com/index.php?topic=1905406>

### Question 687

Minimum cardinality refers to \_\_\_\_\_.

- the most instances of one entity class that can be involved in a relationship with one instance of another entity class
- the number of entity classes involved in a relationship
- the number of entity instances that must participate in a relationship
- whether or not an entity is a weak entity

Answer: <https://biology-forums.com/index.php?topic=1904971>

### Question 688

Describe the requirements that a table must meet to qualify as a relation.

Answer: <https://biology-forums.com/index.php?topic=1904757>

### Question 689

What is a data warehouse?

Answer: <https://biology-forums.com/index.php?topic=1906089>

### Question 690

Microsoft Access is just a DBMS.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904377>

### Question 691

Which of the following is a tool for managing an existing Oracle Database database?

- The Oracle Enterprise Manager Database Express
- The Oracle SQL\*Plus command utility program
- The Oracle SQL Developer
- The Oracle DBA Manager

Answer: <https://biology-forums.com/index.php?topic=1905675>

### Question 692

Joins that show only matching rows from the joined tables in their results are called inner joins.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904555>

### Question 693

MySQL Community Edition uses only operating system authentication.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905730>

### Question 694

The following database will be used in this question:

GENERAL SALES DATABASE:

SALESREP

SalesRepNoRepNameHireDate654Jones01/02/2005734Smith02/03/2007345Chen01/25/2018434Johnson11/23/2004

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

Explain the use of the SQL statement CREATE TABLE. Do NOT discuss the ALTER statement in your answer, but DO include an example based on the SALESREP table in the General Sales database.

Answer: <https://biology-forums.com/index.php?topic=1905222>

### Question 695

Question 1. Explain the two main ways to submit queries to ArangoDB.

Question 2. Indexing is intended to provide fast access to specific data while minimizing the amount of data searched. What are the options for indexing in ArangoDB?

Answer: <https://biology-forums.com/index.php?topic=1906404>

### Question 696

A transaction is sometimes called atomic because it is performed as a unit.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905351>

### Question 697

The SQL built-in function ADDUP totals values in numeric columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904534>

### Question 698

The data model produced by reverse engineering is not truly a logical model because it will contain \_\_\_\_\_.

- tables for strong entities
- supertype/subtype tables
- tables for ID-dependent entities
- intersection tables

Answer: <https://biology-forums.com/index.php?topic=1905298>

### Question 699

Operational databases store historical data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906024>

### Question 700

Explicit locks are locks that are placed automatically by the DBMS.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905360>

### Question 701

The degree of a relationship is the number of entity classes in the relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904914>

### Question 702

The SQL keyword LIKE is used in SQL expressions to select partial string values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904529>

### Question 703

In relational terms as defined by E.F. Codd, a column is called an attribute.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904672>

### Question 704

In a common form of RFM analysis, a score of 1 is "high" or "good" while a score of 5 is "low" or "bad."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906029>

### Question 705

All commercial DBMS products use some version of "username and password" as part of their security features.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905385>

### Question 706

MySQL uses the term data export dump as a synonym for backup.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905772>

### Question 707

SQL includes a data definition language, a data manipulation language, and SQL/Persistent stored modules.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904498>

### Question 708

The SQL syntax JOIN . . . ON can be used as an alternate way of writing an SQL join statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904554>

### Question 709

The size of a lock is referred to as the lock granularity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905354>

### Question 710

Normalization requires applications to use more complex SQL since they will need to write subqueries and joins to recombine data stored in separate relations.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904784>

### Question 711

In two-phase locking, all locks are obtained during the growing phase.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905364>

### Question 712

What term does MySQL use as a synonym for backup?

- Replica
- Export
- Data export
- Data export dump

Answer: <https://biology-forums.com/index.php?topic=1905811>

### Question 713

The MySQL keyword to create a cursor is \_\_\_\_\_.

- DECLARE CURSOR {CursorName}
- OPEN {CursorName}
- FETCH
- CLOSE {CursorName}

Answer: <https://biology-forums.com/index.php?topic=1905798>

### Question 714

MySQL backups are run on the Administration - Data Export tab of the Data Export page.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905773>

### Question 715

When transforming supertype/subtype entities into a relational database design, an entity is created for the supertype only.



- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905049>

### Question 716

When decreasing maximum cardinalities, there will always be data loss.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905279>

### Question 717

Subtypes can be \_\_\_\_\_.

- a form of a supertype
- disjoint and overlapping
- a discriminator
- related to multiple supertypes

Answer: <https://biology-forums.com/index.php?topic=1904980>

### Question 718

Distinguish between entity identifiers and keys.

Answer: <https://biology-forums.com/index.php?topic=1904999>

### Question 719

An entity whose identifier includes the identifier of another entity is a(n) \_\_\_\_\_.

- strong entity
- weak entity
- optional entity
- required entity

Answer: <https://biology-forums.com/index.php?topic=1904977>

### Question 720

The prefix :new is used to make final values of columns available to insert and update triggers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905657>

### Question 721

Question 1.Explain the difference between Document Type Declarations (DTDs) and XML Schema.

Question 2.What is included in a schema.

Answer: <https://biology-forums.com/index.php?topic=1906365>

### Question 722

In order to minimize the need to change table names, some organizations have a policy that it is better to create a new table, map the data over to the new table and then delete the old table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905266>

### Question 723

The Microsoft Access wildcard character "\_" (underscore) indicates a single, unspecified character in a specific location in a Microsoft Access SQL query.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904533>

### Question 724

When accessing table structure, and determining the number and types of columns in a table, how can you control how many rows are returned?  
Answer: <https://biology-forums.com/index.php?topic=1904856>

### Question 725

When creating an OLAP report based on SQL Server 2017 data, it is often a good idea to create a view to organize the data needed for the OLAP report.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1906033>

### Question 726

MySQL Workbench is the MySQL GUI database administration utility.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1905736>

### Question 727

One means of processing an SQL Server database is to create application code in a programming language and invoke SQL Server DBMS commands from that program.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1905470>

### Question 728

In the MySQL Workbench, a 1:N non-identifying relationship between two tables that already contain the needed primary and foreign keys is created using the Place a Relationship Using Existing Columns button.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1906213>

### Question 729

MySQL indexes can be created by using the GUI MySQL Table Editor or an SQL statement.  
• true  
• false  
Answer: <https://biology-forums.com/index.php?topic=1905742>

### Question 730

A view may not be assigned to a(n) \_\_\_\_\_.  
• BEFORE trigger  
• INSTEAD OF trigger  
• CONCURRENT trigger  
• AFTER trigger  
Answer: <https://biology-forums.com/index.php?topic=1905521>

### Question 731

During the second step of assessing table structure, you are trying to determine \_\_\_\_\_.  
• multivalued dependencies  
• data types  
• missing values  
• subqueries  
Answer: <https://biology-forums.com/index.php?topic=1904825>

### Question 732

A transaction is a series of actions to be taken on the database such that either all of them are performed successfully or none of them is performed at all.  
• true  
• false

Answer: <https://biology-forums.com/index.php?topic=1905352>

### Question 733

Data Language/1 (DL/1) structured data relationships as a tree structure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904438>

### Question 734

The NOT EXISTS keyword will be true if any row in the subquery fails to meet the condition.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905248>

### Question 735

Applet bytecode is transmitted to the user's computer via \_\_\_\_\_.

- the JDBC driver
- the Java virtual machine
- HTTP
- the bytecode interpreter

Answer: <https://biology-forums.com/index.php?topic=1905987>

### Question 736

The SQL Server GUI interface database management program is the \_\_\_\_\_.

- Enterprise Manager
- Query Analyzer
- Microsoft SQL Server Management Studio
- Both Enterprise Manager and Query Analyzer are correct

Answer: <https://biology-forums.com/index.php?topic=1905499>

### Question 737

A database stores \_\_\_\_\_.

- data
- relationships
- applications
- Both data and relationships are correct

Answer: <https://biology-forums.com/index.php?topic=1904450>

### Question 738

If a table meets the minimum definition of a relation, it has an effective or appropriate structure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904702>

### Question 739

What is the process for adding a NOT NULL column to a table?

Answer: <https://biology-forums.com/index.php?topic=1905329>

### Question 740

If by knowing the value of A we can find the value of B, then we would say that B is functionally dependent on A.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904676>

### Question 741

Locks placed automatically by the DBMS are called implicit locks.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905359>

### Question 742

Question 1. Here is Market Basket data for 1,000 transactions at a Drug Store. All transactions involve 1 or 2 drugs. Use the table below to answer the following questions.

1,000

Transactions Drug A

500 Drug B

300 Drug C

200 Drug A 100 125 Drug B 100 25 75 Drug C 125 75 50 No Additional Drug 275 1000

Refer to the table above. What is the support for Drug A and Drug B?

- .025
- .075
- .100
- .125

Question 2. Here is Market Basket data for 1,000 transactions at a Drug Store. All transactions involve 1 or 2 drugs. Use the table below to answer the following questions.

1,000

Transactions Drug A

500 Drug B

300 Drug C

200 Drug A 100 125 Drug B 100 25 75 Drug C 125 75 50 No Additional Drug 275 1000

Refer to the table above. What is the definition of confidence for Drug B with reference to Drug A?

- The probability that Drug A will be purchased.
- The probability that Drug B will be purchased.
- The probability that both Drug A and Drug B will be purchased.
- The probability that Drug B will be purchased given that Drug A has been purchased.

Answer: <https://biology-forums.com/index.php?topic=1906377>

### Question 743

In an SQL query, which SQL keyword is used to state the condition that specifies which rows are to be selected?

- SET
- FROM
- SELECT
- WHERE

Answer: <https://biology-forums.com/index.php?topic=1904568>

### Question 744

A dependency graph should include all of the following except \_\_\_\_\_.

- tables
- views
- triggers
- DEFAULT values

Answer: <https://biology-forums.com/index.php?topic=1905301>

### Question 745

Explain the concept of a foreign key.

Answer: <https://biology-forums.com/index.php?topic=1904762>

### Question 746

Question 1. XML will continue to be an important data interchange format for relational databases but not non-relational ones.

- true
- false

Question 2. XML is short for \_\_\_\_\_.

- Extended Markup Language
- Extreme Markup Language

- Extensible Markup Language
- External Markup Language

Answer: <https://biology-forums.com/index.php?topic=1906359>

### Question 747

To represent an association pattern in an E-R model, \_\_\_\_\_.

- create a new ID-dependent entity with a 1:1 relationship to one other entity
- create a new weak, but not ID-dependent entity with a 1:1 relationship to one other entity
- create a new strong entity with a 1:1 relationship to one other entity
- create a new ID-dependent entity with a N:1 relationships to two parent entities

Answer: <https://biology-forums.com/index.php?topic=1904985>

### Question 748

An ADO.NET dataset can have primary and foreign keys, but ADO.NET does not support referential integrity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905919>

### Question 749

Relations are classified into normal forms based on the types of modification anomalies that they are vulnerable to.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904705>

### Question 750

Question 1. What is a B-tree?

Question 2. What are tree, simple networks and complex networks?

Answer: <https://biology-forums.com/index.php?topic=1906340>

### Question 751

A doubly nested set of NOT EXISTS SELECT statements is \_\_\_\_\_.

- a famous pattern in SQL
- regularly used
- rarely used to nonexistent in the real world
- Both a famous pattern in SQL and regularly used are correct

Answer: <https://biology-forums.com/index.php?topic=1905295>

### Question 752

Like all ID-dependent relationships, the parents of an association table are required.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905042>

### Question 753

Locks that are placed assuming that a conflict will not occur are called \_\_\_\_\_.

- dynamic
- shared
- pessimistic
- optimistic

Answer: <https://biology-forums.com/index.php?topic=1905416>

### Question 754

In an SQL query, which SQL keyword is used to link two conditions that both must be true for the rows to be selected?

- AND
- EXISTS
- OR
- IN

Answer: <https://biology-forums.com/index.php?topic=1904569>

### Question 755

An occurrence of a particular entity is called an \_\_\_\_\_.

- entity class
- entity relationship
- entity instance
- entity attribute

Answer: <https://biology-forums.com/index.php?topic=1904960>

### Question 756

Which of the following is not a common variant of the E-R model?

- IE Crow's Foot
- IDEF1X
- UML
- Object-oriented

Answer: <https://biology-forums.com/index.php?topic=1904966>

### Question 757

The ADO.NET object classes are grouped into Data Providers and DataSequences.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905918>

### Question 758

To drop a foreign key column from a table, no preliminary steps are needed, and we can simply use the ALTER TABLE DROP COLUMN statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905271>

### Question 759

If the parent is required, then a new child row must be created with a valid foreign key value.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905062>

### Question 760

A database is a self-describing collection of non-integrated tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904375>

### Question 761

To use JDBC, programs must be written in Java.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905923>

### Question 762

A static cursor processes a snapshot of the relation that was taken when the cursor was opened.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905379>

### Question 763

An object identifier is one or more attributes that the users employ to identify object instances.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906225>

### Question 764

Which of the following is not a type of trigger supported by SQL Server?

- BEFORE
- INSTEAD OF
- CONCURRENT
- Both BEFORE and CONCURRENT are correct

Answer: <https://biology-forums.com/index.php?topic=1905520>

### Question 765

The type of failure that occurs when Oracle Database itself fails due to an operating system or computer hardware failure is called an instance failure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905670>

### Question 766

Data is composed of \_\_\_\_\_.

- facts
- numbers
- information
- Both facts and numbers are correct

Answer: <https://biology-forums.com/index.php?topic=1906131>

### Question 767

Unless it is being used to copy data from one table to another, the INSERT statement can be used to insert only a single row into a table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905138>

### Question 768

In Microsoft Visio 2016, Dynamic connector objects can be formatted with the line end symbols needed to create IE Crow's Foot notation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906183>

### Question 769

Briefly describe the function of the DBMS in a database system.

Answer: <https://biology-forums.com/index.php?topic=1904491>

### Question 770

The E-R model includes a special type of strong entity called an ID-dependent entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904935>

### Question 771

When a transaction rereads data that has been changed and finds changes due to committed transactions, is known as a \_\_\_\_\_.

- Clean read
- Dirty read
- Nonrepeatable read
- Phantom read

Answer: <https://biology-forums.com/index.php?topic=1905419>

### Question 772

SQL is not a complete programming language. Rather it is a data sublanguage.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904502>

### Question 773

Databases are created in a DBMS during the implementation step of the SDLC.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906130>

### Question 774

Stored procedures and triggers in SQL Server may become confused while executing stored procedures and triggers when SQL Server special words such as TRANSACTION appear as table or other names, even if they are enclosed in square brackets [ ].

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905454>

### Question 775

Discuss workable data conversion and possible data loss when changing column data types during a database redesign.

Answer: <https://biology-forums.com/index.php?topic=1905330>

### Question 776

SQL views can be used to provide a level of insulation between data processed by applications and the data stored in the database tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905150>

### Question 777

In the Microsoft SQL Server Management Studio, the starting value for a field that has been set as an IDENTITY in SQL Server is set in the seed (StartingValue) property.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905456>

### Question 778

Four uses for ID-dependent entities include all of the following except \_\_\_\_\_.

- representing N:M relationships
- representing intersection relationships
- storing multivalued attributes
- representing archetype/instance relationships

Answer: <https://biology-forums.com/index.php?topic=1905083>

### Question 779

The Oracle DBMS supports the SQL BEFORE trigger.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905162>

### Question 780

The DELETE keyword is used to delete a table's structure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905135>



### Question 781

Suppose you have created a data model for an airline based on a variety of forms, reports, user interviews, data sources, etc. Your client comes forward with a new desired report that includes passenger weights and a relationship between passengers and employees, neither of which is in your E-R diagram. You should \_\_\_\_\_.

- create a new, separate E-R diagram with just the new information
- add the relationship and the weight attribute to the existing data model
- add the relationship but not the weight attribute
- add the weight attribute but not the relationship

Answer: <https://biology-forums.com/index.php?topic=1904992>

### Question 782

Dependency graphs are graphical displays like bar charts.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905259>

### Question 783

A database shows data in tables as well as the relationships among the rows in those tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904356>

### Question 784

An intersection table can have additional attributes besides the keys of its parent tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905041>

### Question 785

When using Oracle Database, a sequence is an object that generates a sequential series of unique numbers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905626>

### Question 786

When dropping a primary key column from a table, which of the following steps is included in the process? (The order of the steps listed below is not relevant, only the steps themselves.)

- Drop all constraints from the table
- Drop the foreign keys from the table
- Drop the foreign keys in other tables based on the primary key column
- Drop the primary key(s) of any table(s) to which this one is related

Answer: <https://biology-forums.com/index.php?topic=1905310>

### Question 787

Read-only databases are often updated.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904796>

### Question 788

To arrange the PivotTable columns and rows in Microsoft Excel 2016, we use the \_\_\_\_\_.

- PivotTable Control
- PivotTable dialog box
- PivotTable Field List
- Pivot Table Wizard

Answer: <https://biology-forums.com/index.php?topic=1906078>

### Question 789

The Oracle Database Enterprise Manager Database Express provides graphical facilities for managing databases.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905638>

### Question 790

In an enterprise-class database system, reports are created by \_\_\_\_\_.

- the user
- the database application
- the database management system (DBMS)
- the database

Answer: <https://biology-forums.com/index.php?topic=1904462>

### Question 791

To add a NULL column to a table, we \_\_\_\_\_.

- use the REVISE TABLE command
- use the ALTER TABLE command
- use the MODIFY TABLE command
- create a new table with the NULL column, move the other data, and drop the old table

Answer: <https://biology-forums.com/index.php?topic=1905306>

### Question 792

To represent an N:M relationship in a relational database design, a table is created between the two tables to represent the relationship itself.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905035>

### Question 793

When a table is created using existing data from multiple sources, you are likely to find that the different sources code data in slightly different ways.

This is an example of \_\_\_\_\_.

- the multivalued, multicolumn problem
- the inconsistent values problem
- the missing values problem
- the general-purpose remarks column problem

Answer: <https://biology-forums.com/index.php?topic=1904845>

### Question 794

A SELECT statement used in a WHERE clause is called a subquery.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904544>

### Question 795

Microsoft Access is a useful tool for forms and reports because \_\_\_\_\_.

- the form and report generators do not exist within Access itself
- Access forms and reports are very simplistic
- Access wizards make it easy to create the forms and reports
- Access has a version of Microsoft PowerPoint built into it to allow easy creation of PowerPoint slide shows

Answer: <https://biology-forums.com/index.php?topic=1906113>

### Question 796

SQL views are always updatable when \_\_\_\_\_.

- the view is based on a single table with no computed columns, and all non-null columns are present in the view
- the view is based on any number of tables, with or without computed columns, and the INSTEAD OF trigger is defined for the view
- the view is based on multiple tables, the update is being done on the most subordinate table, and the rows of that table can be uniquely identified

• Both the view is based on a single table with no computed columns, and all non-null columns are present in the view and the view is based on any number of tables, with or without computed columns, and the INSTEAD OF trigger is defined for the view are correct

Answer: <https://biology-forums.com/index.php?topic=1905196>

### Question 797

When a table is created using existing data, you are likely to find that some data values have never been provided because any value there would be inappropriate. This is an example of \_\_\_\_\_.

- the multivalued, multicolumn problem
- the inconsistent values problem
- the missing values problem
- the general-purpose remarks column problem

Answer: <https://biology-forums.com/index.php?topic=1904846>

### Question 798

Entities of a given type are grouped into an \_\_\_\_\_.

- entity class
- entity relationship
- entity instance
- entity attribute

Answer: <https://biology-forums.com/index.php?topic=1904959>

### Question 799

What type of JDBC driver translates JDBC calls into DBMS-specific network protocols?

- Type 1 driver
- Type 2 driver
- Type 3 driver
- Type 4 driver

Answer: <https://biology-forums.com/index.php?topic=1905982>

### Question 800

ODBC has not had practical success, but has shown great potential for future development.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905893>

### Question 801

In Microsoft Visio 2016, we can create data models using Entity and Relationship objects.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906181>

### Question 802

In database systems, the DBMS enforces rules about which data can be written in certain columns. These rules are known as \_\_\_\_\_.

- data insertion control
- data modification control
- concurrency control
- referential integrity constraints

Answer: <https://biology-forums.com/index.php?topic=1904464>

### Question 803

A missing value is called a(n) \_\_\_\_\_.

- empty value
- null value
- missing value
- deleted value

Answer: <https://biology-forums.com/index.php?topic=1904848>

### Question 804

An SQL virtual table is called \_\_\_\_\_.

- a CHECK constraint
- a view
- embedded SQL
- a trigger

Answer: <https://biology-forums.com/index.php?topic=1905189>

### Question 805

When using SQL Server, developers place explicit locks.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905482>

### Question 806

Microsoft Access wizards allow easy building of forms and reports.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906105>

### Question 807

The WHERE clause contains the condition that specifies which columns are to be selected.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904518>

### Question 808

Microsoft Windows users should install MySQL Community Edition using the MySQL Installer for Windows.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905722>

### Question 809

A stored program that is stored within the database and compiled when used is called a trigger.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905170>

### Question 810

A principal difference between an entity and a table is that you can express a relationship between entities without using foreign keys.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904923>

### Question 811

Java programs tend to execute faster than programs compiled into machine-dependent code because the Java virtual machine only has to interpret the bytecode.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905929>

### Question 812

An OLAP cube is limited to three axes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906030>

### Question 813

A null value can indicate which of the following conditions?

- The value is incorrect.
- The value is appropriate but unknown.
- The value has been updated.
- The value can never be changed.

Answer: <https://biology-forums.com/index.php?topic=1904849>

### Question 814

Requiring all application programs to lock resources in the same order is one way of preventing a deadlock condition.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905367>

### Question 815

The data model produced by reverse engineering is a true conceptual schema.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905254>

### Question 816

Which of the following Oracle Database ReDo files are stored on disk and contain the rollback segments from recent database changes?

- OnLine ReDo files
- Active ReDo files
- OffLine ReDo files
- Archive ReDo files

Answer: <https://biology-forums.com/index.php?topic=1905708>

### Question 817

In Microsoft Visio 2016, we can create supertype/subtype relationships in database designs using \_\_\_\_\_.

- Entity and Dynamic connector objects
- Entity and Relationship connector objects
- Category and Relationship connector objects
- Database designs cannot be created in Microsoft Visio 2016.

Answer: <https://biology-forums.com/index.php?topic=1906196>

### Question 818

Which of the following would not be contained in a transaction log?

- Before images
- Type of operation
- Time of the action
- Permissions

Answer: <https://biology-forums.com/index.php?topic=1905428>

### Question 819

Copies of each database record or page before being changed by a transaction that are saved for use in database recovery are called before images.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905389>

### Question 820

Microsoft Access 2016 uses the Microsoft Office Fluent User Interface.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906095>

### Question 821

If the values in an SQL view are changeable through the view itself, the UPDATE command is used to change the values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905151>

### Question 822

Explain the Oracle Database PL/SQL control-of-flow statements.

Answer: <https://biology-forums.com/index.php?topic=1905717>

### Question 823

The Oracle Database FORMAT\_DATE function can be used to make sure that Oracle Database interprets date data correctly.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905634>

### Question 824

A relation can have only one candidate key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904693>

### Question 825

Most Microsoft Access 2016 commands and tools are available on the tabbed Ribbon.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906096>

### Question 826

Question 1. A table may be decomposed in one of two ways, namely, horizontal decomposition and sharding

- true
- false

Question 2. Aspects of physical database design that can be monitored and changed by the DBA include all of the following except \_\_\_\_\_.

- indexes
- clustering
- flat files
- decomposition

Answer: <https://biology-forums.com/index.php?topic=1906330>

### Question 827

Because SQL statements are table-oriented, whereas programs are variable-oriented, the results of SQL statements used in programs are treated as pseudofiles.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905154>

### Question 828

Explain why it is important to learn SQL.

Answer: <https://biology-forums.com/index.php?topic=1904600>

### Question 829

The transaction boundaries are the essential information that the DBMS needs from the application programs to enforce different locking strategies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905372>

### Question 830

The type of failure that occurs when Oracle Database is unable to write to a physical file is called a media failure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905671>

### Question 831

SQL Server security roles provide a simple way to control user privileges in a database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905492>

### Question 832

Discuss the role of backup and test databases in database redesign.

Answer: <https://biology-forums.com/index.php?topic=1905327>

### Question 833

The MySQL END statement is used to complete the basic SQL block structure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905748>

### Question 834

The MySQL statement used to define a set of MySQL procedure statements is \_\_\_\_\_.

- DECLARE
- BEGIN
- IF...THEN...ELSE...END IF
- REPEAT

Answer: <https://biology-forums.com/index.php?topic=1905791>

### Question 835

When designing or normalizing relations, each relation should have only one theme.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904717>

### Question 836

Which of the following is not a database administration responsibility of a DBA?

- Managing the database structure
- Writing the applications
- Managing the DBMS
- Maintaining the data repository

Answer: <https://biology-forums.com/index.php?topic=1905400>

### Question 837

In a doubly nested set of NOT EXISTS SELECT statements, \_\_\_\_\_.

- if a row does not match any row, then it matches every row
- if a row matches any row, then it matches every row
- if a row does not match any row, then it does not match every row
- if a row matches any row, then it does not match every row

Answer: <https://biology-forums.com/index.php?topic=1905296>

### Question 838

In E-R modeling, entities within an entity class may have different attributes.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1904909>

### Question 839

Which does the ODBC standard not define a means of doing?

- Start transactions
- Rollback transactions
- Read a Microsoft Word document
- Issue SQL commands

Answer: <https://biology-forums.com/index.php?topic=1905952>

### Question 840

In Microsoft Visio 2016, supertype/subtype relationships in data models are created using \_\_\_\_\_.

- Entity and Dynamic connector objects
- Table and Relationship connector objects
- Category and Relationship connector objects
- There are no separate objects to create supertype/subtype, so we use standard objects.

Answer: <https://biology-forums.com/index.php?topic=1906195>

### Question 841

A constraint that requires an instance of an entity to exist in one relation before it can be referenced in another relation is called an insertion anomaly.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904700>

### Question 842

In a minimum cardinality, minimums are generally stated as \_\_\_\_\_.

- 0 or 1
- 1 or N
- M or N
- one or many

Answer: <https://biology-forums.com/index.php?topic=1904972>

### Question 843

To create a MySQL index using SQL, the correct SQL statement is \_\_\_\_\_.

- ALTER TABLE {TableName} ADD INDEX {IndexName}
- ALTER TABLE {TableName} INSERT INDEX {IndexName}
- CREATE INDEX {IndexName} ON TABLE {TableName}
- Both ALTER TABLE {TableName} ADD INDEX {IndexName} and CREATE INDEX {IndexName} ON TABLE {TableName} are correct

Answer: <https://biology-forums.com/index.php?topic=1905789>

### Question 844

In SQL Server, a transaction log backup makes a copy of the changes that have been made since the last time a backup of the entire database was made.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905495>

### Question 845

Every time we break up a relation during the normalization process, we may have to create a referential integrity constraint.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904715>

### Question 846

What is metadata and how does it relate to the definition of a database?

Answer: <https://biology-forums.com/index.php?topic=1904490>



### Question 847

What is a slowly changing dimension? Include an example.

Answer: <https://biology-forums.com/index.php?topic=1906090>

### Question 848

OLE DB breaks the features and functions of a DBMS into what type of objects?

- COM
- JSP
- MTS
- ODBC

Answer: <https://biology-forums.com/index.php?topic=1905964>

### Question 849

Databases based on the CODASYL standard are based on the network data model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904365>

### Question 850

Because EXISTS and NOT EXISTS are forms of correlated subqueries, the processing of the associated SELECT statements must be nested.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905246>

### Question 851

One advantage of using the CONSTRAINT phrase to define a primary key is that the database designer controls the \_\_\_\_\_.

- name of the table
- name of the foreign key field
- name of the constraint
- name of the primary key field

Answer: <https://biology-forums.com/index.php?topic=1905177>

### Question 852

Hardware is installed and tested during the \_\_\_\_\_ step of the SDLC.

- requirements analysis
- component design
- implementation
- systems maintenance

Answer: <https://biology-forums.com/index.php?topic=1906136>

### Question 853

The MySQL IF statement is used to test for a condition and then direct which blocks of code should be run depending on the outcome of the test.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905746>

### Question 854

The SQL keyword GROUP BY instructs the DBMS to group together those rows that have the same value in a column.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904542>

### Question 855

The CONSTRAINT keyword is used to limit column values to specific values.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905126>

### Question 856

Database processing and document processing are unrelated to one another.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905939>

### Question 857

What is SQL?

Answer: <https://biology-forums.com/index.php?topic=1904599>

### Question 858

Applications are computer programs used directly by users.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904366>

### Question 859

A key can be composed of a group of attributes taken together.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904690>

### Question 860

What is an association relationship and how does it differ from a many-to-many (N:M) relationship?

Answer: <https://biology-forums.com/index.php?topic=1905101>

### Question 861

When one SQL query is embedded in another SQL query, this is referred to as a \_\_\_\_\_.

- subquery
- join
- WHERE Query
- subset query

Answer: <https://biology-forums.com/index.php?topic=1904589>

### Question 862

Which are more commonly used: implicit or explicit locks? Why?

Answer: <https://biology-forums.com/index.php?topic=1905440>

### Question 863

Although correlated subqueries are useful in database redesign, they cannot be used to verify functional dependencies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905241>

### Question 864

The use of a doubly nested set of NOT EXISTS SELECT statements is so rare that even if you are a professional database developer you will probably never see it used.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905251>

### Question 865

In IDEF1X, a base domain can have any of the following except a \_\_\_\_\_.

- data type
- value list
- range definition
- default value

Answer: <https://biology-forums.com/index.php?topic=1906169>

### Question 866

Which of the following tasks cannot be done using the Oracle SQL Developer GUI features?

- See the structure of a table
- Add and remove columns from a table
- Insert and delete data from a table
- Create a new tablespace

Answer: <https://biology-forums.com/index.php?topic=1905684>

### Question 867

An Oracle Database tablespace is a logical subdivision of an Oracle database instance that is used to group related tables, views, and other similar objects.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905619>

### Question 868

One example of a database design using an ID-dependent relationship is the association pattern where a third entity may be added.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904945>

### Question 869

With Oracle Database, stored procedures cannot use a cursor variable, so another method must be used to access a table on a row by row basis.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905648>

### Question 870

Microsoft Access is a low-end product intended for individuals and small workgroups.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904378>

### Question 871

Which of the following is true for a relation?

- Entities in a column vary as to kind.
- The order of the columns is important.
- The order of the rows is unimportant.
- More than one column can use the same name.

Answer: <https://biology-forums.com/index.php?topic=1904725>

### Question 872

The term semantic means \_\_\_\_\_.

- meaning
- data
- detailed
- attribute

Answer: <https://biology-forums.com/index.php?topic=1906234>

### Question 873

To represent a multivalued attribute in an E-R model, \_\_\_\_\_.

- create a new ID-dependent entity with a 1:N relationship
- create a new weak, but not ID-dependent entity with a 1:N relationship
- create a new strong entity with a 1:1 relationship
- create a new ID-dependent entity with a 1:1 relationship

Answer: <https://biology-forums.com/index.php?topic=1904986>

### Question 874

One important result of OLE DB is that data does not have to be moved or converted from one form to another.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905910>

### Question 875

The Microsoft SQL Server Management Studio cannot verify SQL statements until they are executed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905453>

### Question 876

The degree of a relationship is expressed as the relationship's maximum cardinality.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904921>

### Question 877

A relation is also known as a(n) \_\_\_\_\_.

- table
- tuple
- relationship
- attribute

Answer: <https://biology-forums.com/index.php?topic=1904726>

### Question 878

Which of the following is not a transaction isolation level supported by SQL Server?

- Pessimistic
- Read Committed
- Serializable
- Read Uncommitted

Answer: <https://biology-forums.com/index.php?topic=1905525>

### Question 879

Logging into the MySQL DBMS is done using \_\_\_\_\_.

- the Connect to Server command
- the Connect to Server dialog box
- the Local instance MySQL56 command
- the Local instance MySQL56 dialog box

Answer: <https://biology-forums.com/index.php?topic=1905779>

### Question 880

An applet is a Java bytecode program that executes on the Web server.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905930>

### Question 881

The MySQL SQL/PSM code structure defines variables with the keyword \_\_\_\_\_.

- DECLARE

- BEGIN
- IF...THEN...ELSE...END IF
- VAR

Answer: <https://biology-forums.com/index.php?topic=1905792>

### Question 882

SOAP originally stood for \_\_\_\_\_.

- Simple Operational Application Protocol
- Standard Operational Application Protocol
- Simple Object Application Protocol
- Simple Object Access Protocol

Answer: <https://biology-forums.com/index.php?topic=1905997>

### Question 883

Multivalued dependencies create anomalies that must always be eliminated.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904792>

### Question 884

If a server is using a Microsoft Windows operating system, it is usually running Internet Information Server (IIS) as its Web server.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905890>

### Question 885

MySQL uses the MySQL TODAY'S\_DATE() function to provide the value of the current date.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905754>

### Question 886

Correlated subqueries can be used to verify functional dependencies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905235>

### Question 887

SQL views are constructed from SELECT statements.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905145>

### Question 888

What are the IDEF1X equivalents of 1:1, 1:N and N:M relationships?

Answer: <https://biology-forums.com/index.php?topic=1906173>

### Question 889

The NoSQL movement could also be called a NoRelational movement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904447>

### Question 890

Describe the database files that are automatically created when a new database is created in SQL Server.

Answer: <https://biology-forums.com/index.php?topic=1905534>

### Question 891

There are three types of recursive relationships: 1:1, 1:N, and N:M.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904955>

### Question 892

Which transaction isolation level option(s) is (are) available in MySQL?

- READ UNCOMMITTED
- READ COMMITTED
- REPEATABLE WRITE
- Both READ UNCOMMITTED and READ COMMITTED are correct

Answer: <https://biology-forums.com/index.php?topic=1905808>

### Question 893

When making an SQL query, we are using SQL as a(n) \_\_\_\_\_.

- DDL
- DML
- embedded language
- SET

Answer: <https://biology-forums.com/index.php?topic=1904563>

### Question 894

In representing a 1:N relationship in a relational database design, the key of the table representing the entity on the "many" side is placed as a foreign key in the table representing the entity on the "one" side of the relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905031>

### Question 895

The movement that uses different database methods than the relational model and/or SQL is called the NoSQL movement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906037>

### Question 896

An SQL virtual table is called a view.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905143>

### Question 897

Briefly describe how Oracle Database implements serializable transaction isolation. Include an example.

Answer: <https://biology-forums.com/index.php?topic=1905719>

### Question 898

Integrated tables store both data and the relationships among the data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904376>

### Question 899

In an SQL query, the built-in functions SUM and AVG work with columns containing data of which of the following data types?

- Integer
- Numeric

- Char
- Both Integer and Numeric are correct

Answer: <https://biology-forums.com/index.php?topic=1904580>

### Question 900

A WHERE clause can contain only one condition.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904523>

### Question 901

When transforming an E-R data model into a relational database design, the key of the parent entity should be placed as part of the primary key into the child entity \_\_\_\_\_.

- when the child entity is ID-dependent
- when the child entity is non-ID-dependent
- when the child entity has a 1:1 relationship with the parent entity
- when the child entity has a 1:N relationship with the parent entity

Answer: <https://biology-forums.com/index.php?topic=1905082>

### Question 902

PHP code is executed on a server and can generate HTML code that is sent to the client computer.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905947>

### Question 903

Surrogate keys usually slow performance.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904696>

### Question 904

In E-R modeling, an attribute describes the characteristics of an entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904908>

### Question 905

The rows of the result table can be sorted by the values in one or more columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904519>

### Question 906

Discuss what is meant by a data type of "Numeric (10,3)." Include at least one example.

Answer: <https://biology-forums.com/index.php?topic=1905220>

### Question 907

In IDEF1X, a category cluster includes BLACK and WHITE, which are the only possible categories. This is an IDEF1X \_\_\_\_\_.

- complete category cluster
- incomplete category cluster
- inherited category cluster
- inconclusive category cluster

Answer: <https://biology-forums.com/index.php?topic=1906168>

### Question 908

What is a correlated subquery? Include an example.

Answer: <https://biology-forums.com/index.php?topic=1905323>

### Question 909

An entity needs to be examined according to normalization criteria before creating a table from it in the relational database design.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905006>

### Question 910

If the values in an SQL view are not changeable through the view itself, you may still be able to update the view by using unique application logic. In this case, the specific logic is placed in an INSTEAD OF trigger.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905167>

### Question 911

IDEF1X category entities are mutually exclusive within a cluster.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906157>

### Question 912

SQL Server logins can be based on Windows Operating System security or SQL server-specific security.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905490>

### Question 913

The values in an SQL view are not always changeable through the view itself.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905148>

### Question 914

Data warehouses are populated with data prepared by data extraction, transformation, and load (ETL) programs.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906018>

### Question 915

The advantages of normalization include \_\_\_\_\_.

- the elimination of modification anomalies
- the elimination of duplicated data
- more complex SQL for multitable subqueries and joins
- simpler SQL queries

Answer: <https://biology-forums.com/index.php?topic=1904832>

### Question 916

The values of a surrogate key have no meaning to the users.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905013>

### Question 917

The PL/SQL keyword RETURN is used to exit a block of code and terminate whatever code structure is running.



- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905647>

### Question 918

Question 1. A collection of records and the 1:N relationships between them is a \_\_\_\_\_.

- simple network
- complex network
- compound network
- logical network

Question 2. A collection of records and the N:M relationships between them is a \_\_\_\_\_.

- simple network
- complex network
- compound network
- logical network

Answer: <https://biology-forums.com/index.php?topic=1906334>

### Question 919

When creating tables, Oracle Database automatically converts the SQL standard data type "int" into \_\_\_\_\_.

- number (38,0)
- integer (32)
- number (5,0)
- integer (16)

Answer: <https://biology-forums.com/index.php?topic=1905678>

### Question 920

Cascading deletions are generally not used with relationships between strong entities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905060>

### Question 921

Recovering a database via rollback involves \_\_\_\_\_.

- restoring the database from the save and reprocessing all the transactions since the save
- restoring the database from the save and reapplying all the changes made by transactions since the save
- undoing the changes made by erroneous or partially processed transactions and restarting the valid transactions that were in process at the time of the failure
- re-creating the database by re-entering all of the data from the beginning and, then reprocessing all of the transactions

Answer: <https://biology-forums.com/index.php?topic=1905427>

### Question 922

A relation that is in domain/key normal form is assured to be free from all anomalies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904723>

### Question 923

One of the important properties of a column is whether or not it can have a NULL value.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905021>

### Question 924

Question 1. ArangoDB is a \_\_\_\_\_ database management system.

- multi-model NoSQL
- single-model NoSQL
- multi-model relational

- single-model relational

Question 2. Data can be entered into an ArangoDB collection of documents by all of the following ways except \_\_\_\_\_.

- use the ArangoDB arangoimp command to import data from a JSON file
- use the ArangoDB Web Interface
- use the ArangoDB Collections tab
- importing a JSON file using the ArangoDB Web Interface

Answer: <https://biology-forums.com/index.php?topic=1906400>

### Question 925

Which of the following is not true of data repositories?

- They are usually created after the database has been implemented and optimized for performance.
- They may be virtual.
- They may contain metadata about database applications.
- They may contain metadata about users.

Answer: <https://biology-forums.com/index.php?topic=1905430>

### Question 926

Explain SQL Server indexes.

Answer: <https://biology-forums.com/index.php?topic=1905538>

### Question 927

A set of SQL statements stored in an application written in a standard programming language is called \_\_\_\_\_.

- a stored procedure
- a view
- embedded SQL
- a trigger

Answer: <https://biology-forums.com/index.php?topic=1905197>

### Question 928

The default file extension for text files created for SQL Developer is .sql.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905624>

### Question 929

A surrogate key is a key typically used in place of a foreign key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904363>

### Question 930

Locking hints included in an SQL statement will override locking behavior based on explicit transaction isolation level statements.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905488>

### Question 931

In Windows 10, to start working with the MySQL Workbench use the command Start | All Programs | MySQL | MySQL Workbench 6.3 CE.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906207>

### Question 932

A defining requirement for BCNF is that every determinant must be a candidate key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904787>

### Question 933

The second step in assessing table structure is to examine data values and determine dependencies and keys.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904773>

### Question 934

What are inconsistent values, and why are they a problem?

Answer: <https://biology-forums.com/index.php?topic=1904860>

### Question 935

Oracle Database does not require the use of Archive ReDo files for instance recovery.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905666>

### Question 936

Explain how relationships are created using SQL. Include an example.

Answer: <https://biology-forums.com/index.php?topic=1905218>

### Question 937

If the table PRODUCT has a column PRICE, and PRICE has the data type Numeric (8,2), the value 98765 stored in that field will be displayed by the DBMS as 98765.00.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905130>

### Question 938

The defining characteristic of BCNF is that a table is in BCNF if \_\_\_\_\_.

- all rows are unique
- all columns are consistent
- the primary key is a candidate key
- all determinants are candidate keys

Answer: <https://biology-forums.com/index.php?topic=1904836>

### Question 939

ADO is accessible from languages such as C++ and C#, but not Visual Basic or scripting languages.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905913>

### Question 940

An entity instance of an entity class is the representation of a particular entity, and is described by the values of the attributes of the entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904905>

### Question 941

In Microsoft Visio 2016, the arrow end of the Dynamic connector object points to the table containing the primary key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906190>

### Question 942

An entity is something that users want to track.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904901>

### Question 943

Oracle Database uses the SQL ALTER TABLE command to change the structure of a table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905636>

### Question 944

MySQL databases are backed up using the MySQL Backup System.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905771>

### Question 945

In a snowflake table, unlike tables in a data warehouse, each dimension table is normalized.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906025>

### Question 946

Recursive relationships only exist for one-to-one relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904956>

### Question 947

Which of the following is true about making changes to the database structure?

- The DBA need not get input from users on the issue because it is a technical decision.
- Formal policies and procedures for requesting a change are not used because they are too limiting.
- Documentation of when the change was made, how it was made, and why it was made must be created.
- Changes do not produce unexpected results because the DBA will have investigated the change thoroughly before implementing it.

Answer: <https://biology-forums.com/index.php?topic=1905401>

### Question 948

Which of the following is true of forward only cursors?

- Current values for each row are retrieved when the application accesses a row.
- All changes of any type from any source are visible.
- Changes made by the transaction are visible only if they occur on rows ahead of the cursor.
- It requires the greatest overhead of any cursor type.

Answer: <https://biology-forums.com/index.php?topic=1905421>

### Question 949

If a trigger is being written to enforce referential integrity actions, you cannot use an INSTEAD OF trigger.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905168>

### Question 950

The Information Engineering (IE) model created by James Martin is often referred to as the IE Crowe's Foot model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904917>

### Question 951

A lock placed automatically by the DBMS is called a(n) \_\_\_\_\_ lock.

- exclusive
- explicit
- shared
- implicit

Answer: <https://biology-forums.com/index.php?topic=1905408>

### Question 952

In an E-R model, the three types of maximum cardinality are 1:1, 1:N, and N:M.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904928>

### Question 953

When transforming an ID-dependent E-R data model relationship into a relational database design, the referential integrity constraints should allow \_\_\_\_\_.

- parent updates to cascade
- child updates to cascade
- child deletes to cascade
- Both parent updates to cascade and child updates to cascade are correct

Answer: <https://biology-forums.com/index.php?topic=1905095>

### Question 954

The data model produced by reverse engineering is a(n) \_\_\_\_\_.

- conceptual schema
- internal schema
- dependency graph
- table-relationship diagram

Answer: <https://biology-forums.com/index.php?topic=1905299>

### Question 955

In relational terms as defined by E.F. Codd, a row is called a tuple.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904671>

### Question 956

What type of attribute has a single element?

- Single
- Simple
- Link
- Compound

Answer: <https://biology-forums.com/index.php?topic=1906236>

### Question 957

The INSERT statement can be used to populate normalized tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904788>

### Question 958

When transforming supertype/subtype entities into a relational database design, all of the attributes for the supertype table are placed into the subtype relations.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905053>

### Question 959

In an SQL query, which SQL keyword is used to implement a subquery?

- GROUP BY
- HAVING
- ORDER BY
- SELECT

Answer: <https://biology-forums.com/index.php?topic=1904588>

### Question 960

A sales contact manager used by a salesperson is an example of a(n) \_\_\_\_\_.

- single-user database application
- multiuser database application
- e-commerce database application
- data mining application

Answer: <https://biology-forums.com/index.php?topic=1904452>

### Question 961

In an SQL query, which SQL keyword is used with GROUP BY to select groups meeting specified criteria?

- AND
- WHERE
- HAVING
- IN

Answer: <https://biology-forums.com/index.php?topic=1904584>

### Question 962

An OLAP cube is called that because some products show OLAP displays on \_\_\_\_\_ axes.

- one
- two
- three
- four

Answer: <https://biology-forums.com/index.php?topic=1906054>

### Question 963

The keyword IS NULL can be used to help \_\_\_\_\_.

- count the number of columns in a table
- count the number of rows in a table
- count the number of null values in a column
- count the number of values in a column

Answer: <https://biology-forums.com/index.php?topic=1904851>

### Question 964

A database design is rarely a redesign of an existing database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904436>

### Question 965

Explain the essence of normalization that is implemented using normal forms.

Answer: <https://biology-forums.com/index.php?topic=1904764>

### Question 966

A relation is in Boyce-Codd Normal Form (BCNF) if and only if it is in 3NF and every determinant is a candidate key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904713>

### Question 967

Briefly describe the process of converting an extended E-R model into a relational database design.

Answer: <https://biology-forums.com/index.php?topic=1905096>

### Question 968

In Microsoft Visio 2016, the arrow end of the Relationship connector object points to the table containing the foreign key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906189>

### Question 969

Which of the following is not a lock granularity supported by SQL Server?

- Row
- Attribute
- Table
- Page

Answer: <https://biology-forums.com/index.php?topic=1905524>

### Question 970

Explain the ambiguity in the broad definition of a weak entity.

Answer: <https://biology-forums.com/index.php?topic=1905001>

### Question 971

What is the process and what are the considerations when changing a table name?

Answer: <https://biology-forums.com/index.php?topic=1905328>

### Question 972

Which of the following is not true of stored procedures in Oracle Database?

- They are programs.
- They can have parameters.
- They can be invoked remotely.
- They can be written in C++.

Answer: <https://biology-forums.com/index.php?topic=1905697>

### Question 973

The default transaction isolation level for SQL Server is Read Committed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905486>

### Question 974

What line symbols are used in IDEF1X diagrams to represent relationships?

Answer: <https://biology-forums.com/index.php?topic=1906174>

### Question 975

When people use the term join they normally mean an equijoin.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904548>

### Question 976

A new MySQL database is created using \_\_\_\_\_.

- the New Database dialog tab
- the Create Database command
- the new\_schema dialog tab

• the Create Schema command

Answer: <https://biology-forums.com/index.php?topic=1905781>

### Question 977

A surrogate key is a unique, system-supplied identifier often used as the primary key of a table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905012>

### Question 978

Microsoft Access Datasheet view can be used for all of the following tasks except \_\_\_\_\_.

- writing join queries
- inserting new rows
- updating existing rows
- deleting rows

Answer: <https://biology-forums.com/index.php?topic=1906118>

### Question 979

A determinant of a functional dependency may or may not be unique in a relation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904686>

### Question 980

Which of the following is the default transaction isolation level offered by Oracle Database?

- Read Committed
- Serializable
- Repeatable Read
- Read Only

Answer: <https://biology-forums.com/index.php?topic=1905705>

### Question 981

The Microsoft SQL Server Management Studio Manager can be used to create a new database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905445>

### Question 982

To represent a one-to-many relationship in a relational database design, the key of the child table is placed as a foreign key into the other table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905034>

### Question 983

When decreasing cardinalities, there will always be \_\_\_\_\_.

- relationship loss
- foreign key loss
- data loss
- default value loss

Answer: <https://biology-forums.com/index.php?topic=1905317>

### Question 984

SQL Statements can be submitted to SQL Server from the Microsoft SQL Server Management Studio.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905451>



### Question 985

The MySQL command line utility is \_\_\_\_\_.

- MySQL\*Plus
- the MySQL Command-Line Client
- MySQL-Shell
- MySQL-CMD

Answer: <https://biology-forums.com/index.php?topic=1905783>

### Question 986

The MySQL statement BEGIN is used to define a set of MySQL procedure statements.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905744>

### Question 987

Ensuring that all rows impacted by the actions of a transaction are protected from changes until the entire transaction is completed is called \_\_\_\_\_.

- statement level consistency
- optimistic locking
- transaction level consistency
- durable transactions

Answer: <https://biology-forums.com/index.php?topic=1905417>

### Question 988

Resource locking must be carefully planned because most DBMS products cannot detect a deadlock condition.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905366>

### Question 989

IDEF1X categories are put into a cluster.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906156>

### Question 990

What are null values, and why are they a problem?

Answer: <https://biology-forums.com/index.php?topic=1904861>

### Question 991

Object classes have properties that represent characteristics of the objects in the class.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905907>

### Question 992

Which of the following is an account name for which you are asked to enter a password when Oracle Database creates a new database?

- ORACLE
- SYS
- INTERNAL
- DBA

Answer: <https://biology-forums.com/index.php?topic=1905674>

### Question 993

In addition to the standard Ribbon command tabs, Microsoft Access 2016 also includes \_\_\_\_\_.

- optional command tabs

- contextual command tabs
- quick access tabs
- gallery tabs

Answer: <https://biology-forums.com/index.php?topic=1906111>

### Question 994

Oracle Database triggers are PL/SQL or Java procedures that are invoked when specified database activity occurs.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905651>

### Question 995

The MySQL LOOP statement is used to repeat a set of SQL statements as long as some condition is true.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905747>

### Question 996

A default value is the value the user enters into the row the first time the user enters data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905018>

### Question 997

In Oracle Database recovery facilities, OnLine ReDo files are backup log files maintained separately and not necessarily on disk media.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905669>

### Question 998

Briefly explain the process for importing spreadsheet data into a SQL Server table, and indicate some of the pitfalls or potential problems.

Answer: <https://biology-forums.com/index.php?topic=1905545>

### Question 999

Rollforward is a method of database recovery that restores the database save and all valid transactions since the save was reapplied.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905392>

### Question 1000

In RFM analysis, R stands for "how recently."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906026>

### Question 1001

In Oracle Database, indexes are created using the ALTER command.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905635>

### Question 1002

Transaction level consistency means that all rows impacted by any actions in a transaction are protected from change during the entire transaction.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905374>

### Question 1003

Java Server Pages (JSP) can run only on Linux or Unix servers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905934>

### Question 1004

Which of the following is a GUI tool for application development with Oracle Database?

- The Oracle Enterprise Manager Database Express
- The Oracle SQL\*Plus command utility program
- The Oracle SQL Developer
- The Oracle Database Configuration Assistant

Answer: <https://biology-forums.com/index.php?topic=1905683>

### Question 1005

Question 1. A data warehouse database differs from an operational database because \_\_\_\_\_.

- data warehouse data are not stored in tables
- data warehouse databases do not have metadata
- data warehouse data are often stored in a dimensional database
- efficiency does not matter in a data warehouse

Question 2. Which of the following is not a component of a data warehouse?

- Data extract, transform, and load (ETL) preparation programs
- Data warehouse data
- Data warehouse metadata
- Operational database updates

Answer: <https://biology-forums.com/index.php?topic=1906370>

### Question 1006

A series of actions to be taken on the database such that either all actions are completed successfully, or none of them can be completed, is known as a \_\_\_\_\_.

- checkpoint
- log
- lock
- transaction

Answer: <https://biology-forums.com/index.php?topic=1905404>

### Question 1007

The first attribute of a subtype object is the childID attribute.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906232>

### Question 1008

According to the text, Oracle Corporation's Oracle Database is considered the most difficult DBMS to use.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904386>

### Question 1009

The binary constraint must not indicate that \_\_\_\_\_.

- a specific binary relationship must not be included in a ternary relationship
- a table includes values that must not occur in a binary relationship
- a table includes values that must not occur in a ternary relationship
- a binary relationship includes value combinations that must not occur in a ternary relationship

Answer: <https://biology-forums.com/index.php?topic=1905089>

### Question 1010

Which SQL keyword is used to add one or more rows of data to a table?

- DELETE
- INSERT
- SELECT
- UPDATE

Answer: <https://biology-forums.com/index.php?topic=1905184>

### Question 1011

If the values in an SQL view are changeable through the view itself, which SQL statement is used to change the values?

- CREATE
- DELETE
- INSERT
- UPDATE

Answer: <https://biology-forums.com/index.php?topic=1905195>

### Question 1012

Each Microsoft Access 2016 command tab contains a set of tools grouped into sets of related commands.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906098>

### Question 1013

To determine the number and type of columns in a table, use COUNT(\*).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904769>

### Question 1014

A classic example of unneeded normalization is when we are dealing with \_\_\_\_\_.

- ZIP codes
- sales orders and line items
- association patterns
- multivalued dependencies

Answer: <https://biology-forums.com/index.php?topic=1904837>

### Question 1015

There are several difficulties with increasing cardinalities from 1:1 to 1:N, including preserving the existing relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905277>

### Question 1016

In an SQL query, which built-in function is used to compute the average value of numeric columns?

- AVG
- MEAN
- AVERAGE
- SUM

Answer: <https://biology-forums.com/index.php?topic=1904577>

### Question 1017

The first step in assessing table structure includes \_\_\_\_\_.

- counting rows
- examining columns
- examining data values
- Both counting rows and examining columns are correct

Answer: <https://biology-forums.com/index.php?topic=1904823>

### Question 1018

The coding for Java Server Pages must be written in \_\_\_\_\_.

- Java
- JavaScript
- C++
- Both Java and JavaScript are correct

Answer: <https://biology-forums.com/index.php?topic=1905990>

### Question 1019

Databases are created in a DBMS during the \_\_\_\_\_ step of the SDLC.

- system definition
- requirements analysis
- component design
- implementation

Answer: <https://biology-forums.com/index.php?topic=1906134>

### Question 1020

One limitation of the Oracle Data Import Wizard is that it \_\_\_\_\_.

- does not allow addition of a new primary key column
- does not allow data to be imported into an existing table
- does not allow import of "date" type data
- only allows import of data from Microsoft Excel, no other formats

Answer: <https://biology-forums.com/index.php?topic=1905687>

### Question 1021

SQL queries using subqueries still function like a single table query in the sense that columns from both the top-level query and subquery can be displayed in the query results.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904546>

### Question 1022

Data mining applications are used to accomplish all of the following tasks except \_\_\_\_\_.

- perform what-if analysis
- make predications
- facilitate decision making
- update the database

Answer: <https://biology-forums.com/index.php?topic=1906044>

### Question 1023

A key of an intersection table is always the combination of the keys of both parents.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905038>

### Question 1024

Describe how to create the columns in a table in a MySQL Workbench database design.

Answer: <https://biology-forums.com/index.php?topic=1906217>

### Question 1025

Which of the following is not true about surrogate keys?

- They are identifiers that are supplied by the system, not the users.
- They have no meaning to the users.
- They are non-unique within a table.
- They can be problematic when combining databases.

Answer: <https://biology-forums.com/index.php?topic=1905072>

### Question 1026

SQL views can be used to hide columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905149>

### Question 1027

To represent an N:M relationship in a relational database design, an intersection table is created.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905036>

### Question 1028

When viewing the SQL Server list of tables in a database, dbo means "domain base object" and indicates a system table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905448>

### Question 1029

In an SQL query, which SQL keyword is used to specify the column names to be used in a join?

- FROM
- JOIN
- SELECT
- WHERE

Answer: <https://biology-forums.com/index.php?topic=1904593>

### Question 1030

To create a new MySQL Workbench EER model, you can click the New Model button from the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906210>

### Question 1031

Which of the following SQL statements is a correctly stated correlated subquery?

- `SELECT C1.CustName, C1.SalesRepNo  
FROM CUSTOMER C1  
WHERE C1.SalesRepNo IN  
(SELECT S1.SalesRepNo FROM SALESREP S1 WHERE S1.RepName = 'Smith');`
- `SELECT C1.CustName, C1.SalesRepNo  
FROM CUSTOMER C1  
WHERE C1.SalesRepNo IN  
(SELECT S1.SaleRepNo  
FROM SALESREP S1  
WHERE S1.RepName = 'Smith')  
AND C1.SalesRepNo=S1.SalesRepNo;`
- `SELECT C1.CustName, C1.SalesRepNo  
FROM CUSTOMER C1  
WHERE C1.SalesRepNo IN  
(SELECT S1.SaleRepNo FROM SALESREP S1  
WHERE S1.RepName = 'Smith')  
AND C1.SalesRepNoS1.SalesRepNo);`
- `SELECT C1.CustName, C1.SalesRepNo  
FROM CUSTOMER C1  
WHERE C1.SalesRepNo IN  
(SELECT C2.SaleRepNo  
FROM CUSTOMER C2`

WHERE C1.SalesRepNo=C2.SalesRepNo);  
AND C1.OrderNoC2.OrderNo);

Answer: <https://biology-forums.com/index.php?topic=1905290>

### Question 1032

Semantic objects represent distinct identities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906220>

### Question 1033

Referential integrity constraints are used to limit the possible values of a \_\_\_\_\_.

- composite key
- candidate key
- foreign key
- surrogate key

Answer: <https://biology-forums.com/index.php?topic=1904742>

### Question 1034

Which of the following is not true of ADO?

- ADO is a simple object model for OLE DB data consumers.
- ADO can be used from VBScript and JavaScript.
- ADO is harder to understand than OLE DB.
- ADO can be called from languages such as Visual Basic.NET, Java and C#.

Answer: <https://biology-forums.com/index.php?topic=1905972>

### Question 1035

The SQL command CREATE USER VIEW is used to create a virtual table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905144>

### Question 1036

Support for a scrollable cursor is a sign of what type of conformance in a DBMS driver?

- Level 1 API
- Extended SQL Grammar
- Core API
- Level 2 API

Answer: <https://biology-forums.com/index.php?topic=1905959>

### Question 1037

SQL Server user variables and parameters start with the symbol \_\_\_\_\_.

- @@
- #
- ##
- @

Answer: <https://biology-forums.com/index.php?topic=1905519>

### Question 1038

Semantic objects are grouped into \_\_\_\_\_.

- composites
- entities
- objects
- classes

Answer: <https://biology-forums.com/index.php?topic=1906235>

### Question 1039

Whether a developer uses an E-R model or a semantic object model, the eventual database design that is created should be exactly the same.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906218>

### Question 1040

With Oracle Database, data must be entered at the Oracle Database command prompt.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905633>

### Question 1041

DBMS objects are displayed \_\_\_\_\_.

- in the Navigation Pane
- in the Object Browser
- in the tabbed database window
- in the tabbed document window

Answer: <https://biology-forums.com/index.php?topic=1905780>

### Question 1042

In OLE DB, all of an object's properties must be exposed in all interfaces, but not all methods have to be exposed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905909>

### Question 1043

An asterisk (\*) following the SELECT verb means that all columns are to be displayed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904517>

### Question 1044

Because of the need to know the functional dependencies in a database, it is a good idea to create a(n) \_\_\_\_\_.

- conceptual schema
- internal schema
- dependency graph
- table-relationship diagram

Answer: <https://biology-forums.com/index.php?topic=1905300>

### Question 1045

Given the table CUSTOMER(CustID, Name, PhoneNumber, AccountBalance), write the standard SQL query to retrieve the Name and PhoneNumber of customers whose name begins with 'S'.

Answer: <https://biology-forums.com/index.php?topic=1904606>

### Question 1046

An entity instance is an occurrence of a particular entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904904>

### Question 1047

When creating a T-SQL statement, you should \_\_\_\_\_.

- predefine it graphically in Enterprise Manager
- limit it to one table
- limit it to two tables
- end it with the semicolon normally used to terminate SQL statements

Answer: <https://biology-forums.com/index.php?topic=1905510>



### Question 1048

Question 1. One of the four categories of NoSQL databases used in the text is the Word Processing database.

- true
- false

Question 2. One of the four categories of NoSQL databases used in the text is the Column Family database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906380>

### Question 1049

When examining data values as a part of assessing table structure, determine three types of keys: the primary key, any candidate keys, and any foreign keys.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904772>

### Question 1050

What is the MySQL Command-Line Client?

Answer: <https://biology-forums.com/index.php?topic=1905815>

### Question 1051

A doubly nested set of EXISTS SELECT statements can be used to find rows that meet some specified condition for every row in a table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905249>

### Question 1052

Question 1. JSON data files do not have to conform to any schema.

- true
- false

Question 2. A document database is mainly intended for processing multiple, large collections of documents.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906391>

### Question 1053

A weak entity is an entity that cannot exist in the database without, and is logically dependent upon, another type of entity also existing in the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904938>

### Question 1054

Resource locking is one remedy to the lost update problem.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905357>

### Question 1055

Briefly explain the different SQL Server backup types.

Answer: <https://biology-forums.com/index.php?topic=1905542>

### Question 1056

How does Michael Porter define primary or operational business activities? What do they include?

Answer: <https://biology-forums.com/index.php?topic=1906142>

### Question 1057

Question 1. Which PHP command displays the current configuration settings on the web page \_\_\_\_\_.

- phpconfig( )
- phpinfo( )
- index.html
- phptest.php

Question 2. Which of the following is not true about PHP dynamic extension files (dll files)?

- They can be shared by many applications.
- They allow php to make application calls directly to the DBMS rather than using ODBC.
- There is no relationship between the php.ini file and the dll files.
- They enable support for PHP Data Objects (PDO).

Answer: <https://biology-forums.com/index.php?topic=1906351>

### Question 1058

In an SQL query, which built-in function is used to obtain the smallest value of numeric columns?

- AVG
- COUNT
- MAX
- MIN

Answer: <https://biology-forums.com/index.php?topic=1904579>

### Question 1059

Distinguish among the four types of JDBC drivers.

Answer: <https://biology-forums.com/index.php?topic=1906004>

### Question 1060

Question 1. JSON stands for Jason Script Object Notation.

- true
- false

Question 2. In JSON, there are two data structuring concepts: the object and the array.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906389>

### Question 1061

Explain the concept of serializable transactions.

Answer: <https://biology-forums.com/index.php?topic=1905433>

### Question 1062

In SQL Server, locking behavior can be modified by providing locking hints in the WITH parameter of the FROM clause in SELECT statements.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905489>

### Question 1063

Discuss SQL data types.

Answer: <https://biology-forums.com/index.php?topic=1905219>

### Question 1064

Which of the following is not a reason that operational data are difficult to read?

- Dirty data
- Current data
- Nonintegrated data
- Missing values

Answer: <https://biology-forums.com/index.php?topic=1906046>

### Question 1065

Explain the representation of a many-to-many strong entity relationship in a relational database design.

Answer: <https://biology-forums.com/index.php?topic=1905100>

### Question 1066

The notation 1:N shows a relationship's maximum cardinalities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904925>

### Question 1067

Normalization is an advantage for a read-only database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904798>

### Question 1068

When two transactions are being processed against the database at the same time \_\_\_\_\_.

- they are called concurrent transactions
- they are usually interleaved
- they always result in a lost update problem
- Both they are called concurrent transactions and they are usually interleaved are correct

Answer: <https://biology-forums.com/index.php?topic=1905405>

### Question 1069

When a transaction reads a row that has been changed, but the change has not been committed, is known as a \_\_\_\_\_.

- Clean read
- Dirty read
- Nonrepeatable read
- Phantom read

Answer: <https://biology-forums.com/index.php?topic=1905418>

### Question 1070

Which of the following illustrates the authors' preferred style of defining a primary key?

- CREATE TABLE CUSTOMER ( CustomerIDIntegerPrimary KeyLastNameChar(35)NotNullFirst NameChar(25)Null);
- CREATE TABLE CUSTOMER ( CustomerIDIntegerNotNullLastNameChar(35)NotNullFirst NameChar(25)Null CONSTRAINT CustomerPK PRIMARY KEY (CustomerID) );
- CREATE TABLE CUSTOMER ( CustomerIDIntegerNotNullLastNameChar(35)NotNullFirst NameChar(25)Null); ALTER TABLE CUSTOMER ADD CONSTRAINT CustomerPK PRIMARY KEY (CustomerID);
- Both CREATE TABLE CUSTOMER ( CustomerIDIntegerNotNullLastNameChar(35)NotNullFirst NameChar(25)Null CONSTRAINT CustomerPK PRIMARY KEY (CustomerID) ); and CREATE TABLE CUSTOMER ( CustomerIDIntegerNotNullLastNameChar(35)NotNullFirst NameChar(25)Null); ALTER TABLE CUSTOMER ADD CONSTRAINT CustomerPK PRIMARY KEY (CustomerID); are correct

Answer: <https://biology-forums.com/index.php?topic=1905178>

### Question 1071

The method of constructing data models used in the text is the extended entity-relationship (E-R) model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904900>

### Question 1072

The data model produced by reverse engineering may include some entities that should not appear in the data model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905255>

### Question 1073

In a correlated subquery, the same table is used in the upper and lower SELECT statements.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905236>

### Question 1074

XML Web services allow database processing to be shared across the Internet.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904446>

### Question 1075

Question 1. A \_\_\_\_\_ is a file that has no repeating groups.

- flat file
- stacked file
- record file
- key file

Question 2. The DBMS creates \_\_\_\_\_, also called blocks, on its direct access fields.

- pseudo records
- physical records
- secondary file records
- key file records

Answer: <https://biology-forums.com/index.php?topic=1906332>

### Question 1076

With ODBC, only a single driver is needed to handle all data source types (i.e., Oracle, DB2, and Access).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905898>

### Question 1077

Each attribute of an entity becomes a(n) \_\_\_\_\_ of a table.

- column
- primary key
- foreign key
- alternate key

Answer: <https://biology-forums.com/index.php?topic=1905068>

### Question 1078

The only reason(s) for having relations is to \_\_\_\_\_.

- store instances of functional dependencies
- store equation components
- store equation results
- Both store equation components and store equation results are correct

Answer: <https://biology-forums.com/index.php?topic=1904735>

### Question 1079

If the removal of facts about one entity results in the unintentional loss of data about another entity, this is referred to as a(n) \_\_\_\_\_.

- normalization anomaly
- insertion anomaly
- update anomaly
- deletion anomaly

Answer: <https://biology-forums.com/index.php?topic=1904745>

### Question 1080

A passive data repository is preferred over an active repository because it requires less human intervention.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905399>

### Question 1081

A referential integrity constraint policy that insures that all rows containing a foreign key value in a table are eliminated from the table when the row containing the corresponding primary key value in a parent table is eliminated from the database is called \_\_\_\_\_.

- incremental updates
- incremental deletes
- cascading updates
- cascading deletes

Answer: <https://biology-forums.com/index.php?topic=1905093>

### Question 1082

What is the SQL CLR?

Answer: <https://biology-forums.com/index.php?topic=1905537>

### Question 1083

The relational model was first proposed in 1970 by E. F. Codd at IBM.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904440>

### Question 1084

The second step in assessing table structure includes \_\_\_\_\_.

- counting rows
- examining columns
- examining data values
- Both counting rows and examining columns are correct

Answer: <https://biology-forums.com/index.php?topic=1904824>

### Question 1085

Which of the following is not a key element of an E-R model?

- Relationships
- Entities
- Objects
- Attributes

Answer: <https://biology-forums.com/index.php?topic=1904958>

### Question 1086

The MySQL block structure defines variables with the BEGIN keyword.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905745>

### Question 1087

User interviews are conducted during the requirements analysis step of the systems development life cycle (SDLC).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906127>

### Question 1088

By default, the identifier of the entity becomes the foreign key of the corresponding table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905008>

### Question 1089

A surrogate key should be considered when \_\_\_\_\_.

- A relationship is N:M
- A composite key is required
- The key contains a lengthy text field
- The key contains a number

Answer: <https://biology-forums.com/index.php?topic=1905071>

### Question 1090

Suppose your company stores EMPLOYEE and CUSTOMER data in separate tables. If you want to find all employees who are also customers, which SQL keyword would you most likely use?

- INTERSECT
- UNION
- EXCEPT
- UNION ALL

Answer: <https://biology-forums.com/index.php?topic=1904597>

### Question 1091

An identifier may be \_\_\_\_\_.

- composite
- optional
- a relationship
- minimal

Answer: <https://biology-forums.com/index.php?topic=1904963>

### Question 1092

Explain how to work around the SQL Server IDENTITY constraint when non-sequential data must be entered.

Answer: <https://biology-forums.com/index.php?topic=1905540>

### Question 1093

Microsoft Excel 2016 cannot import SQL Server 2017 data directly into a PivotTable report, but must first place the data into a worksheet.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906034>

### Question 1094

SQL triggers are created using \_\_\_\_\_.

- the SQL CREATE TRIGGER statement
- the SQL ADD TRIGGER statement
- the SQL TRIGGER statement
- the SQL ADD CONSTRAINT TRIGGER statement

Answer: <https://biology-forums.com/index.php?topic=1905207>

### Question 1095

With optimistic locking, the assumption is made that no conflict will occur.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905368>

### Question 1096

An active data repository is one in which the metadata is automatically created as the system components are created.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905397>

### Question 1097

What are MUST NOT and MUST COVER constraints?

Answer: <https://biology-forums.com/index.php?topic=1905102>

### Question 1098

A set of SQL statements stored in an application written in a standard programming language is called embedded SQL.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905155>

### Question 1099

Bill Gates has said that "XML is the lingua-franca of the Internet Age."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904445>

### Question 1100

For a number of reasons, \_\_\_\_\_ is not often an advantage for a read-only database.

- updating
- normalization
- denormalization
- Both updating and normalization are correct

Answer: <https://biology-forums.com/index.php?topic=1904840>

### Question 1101

A set of objects and the properties and methods that they expose are known as a(n) \_\_\_\_\_.

- provider
- interface
- implementation
- instantiation

Answer: <https://biology-forums.com/index.php?topic=1905969>

### Question 1102

The database is most vulnerable to failure after a change to its structure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905348>

### Question 1103

In OLAP, the characteristic of a measure is called a \_\_\_\_\_.

- level
- dimension
- slice

• member

Answer: <https://biology-forums.com/index.php?topic=1906053>

### Question 1104

What is ADO.NET and what is an ADO.NET DataSet?

Answer: <https://biology-forums.com/index.php?topic=1906003>

### Question 1105

Which SQL keyword is used to name a new table and describe the table's columns?

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905174>

### Question 1106

SQL triggers can be used with SQL operations INSERT, UPDATE, and DELETE.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905159>

### Question 1107

In the SQL statement:

```
SELECT S1.CustName, S1.SalesRepNo FROM SALES AS S1;
```

the "S1" is called an alias.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905237>

### Question 1108

A subtype inherits all the attributes of its parent.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906233>

### Question 1109

The SQL keyword used to limit column values to specific values is \_\_\_\_\_.

- CONSTRAINT
- CHECK
- NOT NULL
- UNIQUE

Answer: <https://biology-forums.com/index.php?topic=1905180>

### Question 1110

SQL triggers use the ANSI SQL keywords BEFORE, INSTEAD OF, and AFTER.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905158>

### Question 1111

Denormalization involves joining the data together and storing it in a table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904801>

### Question 1112

What are the three types of database design situations?

Answer: <https://biology-forums.com/index.php?topic=1904493>



### Question 1113

In SQL Server, triggers can roll back the transaction that caused them to be fired.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905478>

### Question 1114

The Oracle Database PL/SQL block structure begins with \_\_\_\_\_.

- DECLARE
- BEGIN
- IF...THEN...ELSE...END IF
- LOOP

Answer: <https://biology-forums.com/index.php?topic=1905691>

### Question 1115

Referential integrity constraints are rules about what data values are allowed in certain columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904374>

### Question 1116

OLE DB can be used to access ODBC data sources.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905904>

### Question 1117

The MySQL statement to change a stored procedure already stored in the database is \_\_\_\_\_.

- CREATE PROCEDURE
- ALTER PROCEDURE
- DROP PROCEDURE
- CLOSE PROCEDURE

Answer: <https://biology-forums.com/index.php?topic=1905803>

### Question 1118

To start Microsoft Access 2016 in Windows 10, use the command \_\_\_\_\_.

- Start | Microsoft Access 2016
- Start | Microsoft Office | Microsoft Access 2016
- Start | All Programs | Microsoft Access 2016
- No command—use the Microsoft Access 2016 app tile

Answer: <https://biology-forums.com/index.php?topic=1906109>

### Question 1119

If a DEFAULT constraint is included when a new column is added to a table, the default value is applied to \_\_\_\_\_.

- all existing rows at the time the column is added
- all new rows
- all new rows but only after the UPDATE command is issued
- Both all existing rows at the time the column is added and all new rows are correct

Answer: <https://biology-forums.com/index.php?topic=1905307>

### Question 1120

Question 1. What is a set?

Question 2. Explain how you can use clustering to store records in a database.

Answer: <https://biology-forums.com/index.php?topic=1906341>

### Question 1121

Entities can be associated with one another in relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904913>

### Question 1122

Based on the table below, a function to compute a 10% late penalty on a customer's balance would have how many input parameters?

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

- 0
- 1
- 2
- it doesn't matter

Answer: <https://biology-forums.com/index.php?topic=1905703>

### Question 1123

A table that meets the definition of a relation is in \_\_\_\_\_.

- First Normal Form
- Second Normal Form
- Third Normal Form
- Boyce-Codd Normal Form

Answer: <https://biology-forums.com/index.php?topic=1904747>

### Question 1124

The MySQL Command Line Client is the MySQL command line utility.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905734>

### Question 1125

With SQL Server, a nonclustered index does not contain data but has pointers to the data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905466>

### Question 1126

Explain and contrast the results provided by the EXISTS, NOT EXISTS, and doubly-nested NOT EXISTS keywords.

Answer: <https://biology-forums.com/index.php?topic=1905324>

### Question 1127

The following database will be used in this question:

GENERAL SALES DATABASE:

SALESREP

SalesRepNoRepNameHireDate654Jones01/02/2005734Smith02/03/2007345Chen01/25/2018434Johnson11/23/2004

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

What is an SQL view, and what is it used for? Include an example based on the CUSTOMER table of the General Sales Database.

Answer: <https://biology-forums.com/index.php?topic=1905223>

### Question 1128

Database administration is more important, but less difficult, in multiuser database systems than single-user database systems.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905343>

### Question 1129

When redesigning a database, how can we check assumptions about functional dependencies?

Answer: <https://biology-forums.com/index.php?topic=1905322>

### Question 1130

Extended E-R model N:M relationships are called nonidentifying connection relationships in IDEF1X.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906147>

### Question 1131

A referential integrity constraint policy that insures that all rows containing a foreign key value in a table are eliminated from the table when the row containing the corresponding primary key value in a parent table is eliminated from the database is called cascading deletes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905058>

### Question 1132

JDBC-ODBC bridge drivers resolve inconsistencies between Java and C/C++ to allow Java access to ODBC data sources.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905925>

### Question 1133

Question 1. BI reporting systems are intended to create meaningful information from disparate data sources and to deliver that information to the proper users on a timely basis.

- true
- false

Question 2. RFM analysis is a way of analyzing and ranking customers based on on-line survey data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906366>

### Question 1134

Given a table with the structure: EMPLOYEE (EmpNo, Name, Salary, HireDate), which of the following would find all employees whose name begins with the letter "S" using standard SQL?

- SELECT \*  
FROM EMPLOYEE  
WHERE Name IN ['S'];
- SELECT EmpNo  
FROM EMPLOYEE  
WHERE Name LIKE 'S';
- SELECT \*  
FROM Name  
WHERE EMPLOYEE LIKE 'S\*';
- SELECT \*  
FROM EMPLOYEE  
WHERE Name LIKE 'S%';

Answer: <https://biology-forums.com/index.php?topic=1904574>

### Question 1135

The key of an attribute is a description of an attribute's possible values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906226>

### Question 1136

SQL triggers are used for providing default values, validity checking, updating views, and performing referential integrity actions.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905161>

### Question 1137

To represent an N:M relationship in a relational database design, in essence it is reduced to two 1:N relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905037>

### Question 1138

Applications usually write data directly to the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904367>

### Question 1139

The MySQL Installer for Windows should be used to install MySQL Connector/ODBC components on computers running which operating system(s)?

- Microsoft Windows
- Unix
- Linux
- Both Unix and Linux are correct

Answer: <https://biology-forums.com/index.php?topic=1906214>

### Question 1140

Dimensional databases are used to track historical data, and therefore must have a(n) \_\_\_\_\_.

- time dimension
- customer dimension
- sales dimension
- order dimension

Answer: <https://biology-forums.com/index.php?topic=1906049>

### Question 1141

The built-in function SUM can be used with any column.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904539>

### Question 1142

Why do we say a database is self-describing and why is this an advantage?

Answer: <https://biology-forums.com/index.php?topic=1904489>

### Question 1143

To represent a 1:1 binary relationship in a relational database design, the key of one table is placed into the second table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905025>

### Question 1144

The MySQL Workbench is included in the MySQL Server Community Edition installation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905723>

### Question 1145

- In an IDEF1X identifying connection relationship, \_\_\_\_\_.
- the identifier of the child is always part of the identifier of the parent
  - the identifier of the parent is always part of the identifier of the child
  - the identifier of the parent is always the same as the identifier of the child
  - the identifier of the parent is optional

Answer: <https://biology-forums.com/index.php?topic=1906172>

### Question 1146

MySQL Workbench is the MySQL GUI application development utility.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905735>

### Question 1147

Suppose your company stores EMPLOYEE and CUSTOMER data in separate tables. If you want to find all customers who are not also employees, which SQL keyword would you most likely use?

- INTERSECT
- UNION
- EXCEPT
- UNION ALL

Answer: <https://biology-forums.com/index.php?topic=1904598>

### Question 1148

Processing responsibilities should be documented and encoded into manual procedures.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905383>

### Question 1149

Because of the need to know the functional dependencies in a database, it is a good idea to create a dependency graph.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905258>

### Question 1150

Users log into MySQL Workbench using the Connect to Database and Connect to MySQL Server dialog boxes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905729>

### Question 1151

Which of the following is/are true about data mining applications?

- They use sophisticated mathematical techniques.
- They use sophisticated statistical techniques.
- Their report delivery is more important than report delivery for reporting systems.
- Both They use sophisticated mathematical techniques and They use sophisticated statistical techniques are correct

Answer: <https://biology-forums.com/index.php?topic=1906045>

### Question 1152

A foreign key is one or more columns in one relation that also is the primary key in another table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904698>

### Question 1153

In SQL Server, the full recovery model creates a log entry for every change to the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905498>

### Question 1154

Two or more tables are joined by giving the table names in the WHERE clause and specifying the equality of the respective column names as a condition in the GROUP BY clause.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904549>

### Question 1155

OLE DB can act as a wrapper for (covers) database native libraries so that the functionality can be provided by OLE.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905895>

### Question 1156

In an SQL query, which SQL keyword is used to sort the result table by the values in one or more columns?

- GROUP BY
- ORDER BY
- SELECT
- SORT BY

Answer: <https://biology-forums.com/index.php?topic=1904573>

### Question 1157

Briefly explain the different types of files used by the Oracle Database recovery facilities.

Answer: <https://biology-forums.com/index.php?topic=1905720>

### Question 1158

A relation is in 2NF if and only if it is in 1NF, and all non-key attributes are determined by the entire primary key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904708>

### Question 1159

Data types are consistent across all DBMS products.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905017>

### Question 1160

A surrogate key is appropriate when the primary key of a table contains a lengthy text field.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905010>

### Question 1161

An ID-dependent entity is an entity whose identifier includes the identifier of another entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904936>

### Question 1162

The SET keyword is used to specify a new value when changing a column value.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905140>

### Question 1163

Discriminators can be \_\_\_\_\_.

- attributes
- entities
- relationships
- subtypes

Answer: <https://biology-forums.com/index.php?topic=1904983>

### Question 1164

A recursive relationship occurs when an entity type has many relationships with other recursive entities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904954>

### Question 1165

It is recommended that MySQL be used with the InnoDB storage engine.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905727>

### Question 1166

Data values to be added to a table are specified by using the VALUES clause.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905134>

### Question 1167

In an SQL query, a join operation is achieved by specifying the equality of the respective column names as a condition in the WHERE clause.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904551>

### Question 1168

Most DBMS products will let you define a primary key on a column that contains null values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904817>

### Question 1169

Data can be entered directly into a table in Enterprise Manager or via SQL INSERT statements submitted through the Microsoft SQL Server Management Studio.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905468>

### Question 1170

The database management system (DBMS) is responsible for inserting, modifying, reading, and deleting data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904371>

### Question 1171

Data is recorded facts and figures; information is knowledge derived from data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904357>

### Question 1172

Which of the following cannot be enforced in the DBMS or application programs?

- Processing rights
- Security
- Processing responsibilities
- Cursors
- Transaction isolation

Answer: <https://biology-forums.com/index.php?topic=1905422>

### Question 1173

To add a NOT NULL column to a table, we first add a NULL column, then we insert values into every row, and finally we change the NULL constraint to NOT NULL.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905269>

### Question 1174

For which of the following types of failure would Oracle Database use Offline ReDo files as part of a recovery effort?

- Instance failure
- Application failure
- Media failure
- Logic failure

Answer: <https://biology-forums.com/index.php?topic=1905710>

### Question 1175

Explain the concept of an atomic transaction.

Answer: <https://biology-forums.com/index.php?topic=1905435>

### Question 1176

Question 1. When using IIS, Microsoft recommends using the FastCGI protocol option when installing PHP.

- true
- false

Question 2. Installing PHP using the Microsoft Web Platform Installer 5.0 always installs the most current version of PHP.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906346>

### Question 1177

MySQL supports BEFORE triggers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905749>

### Question 1178

To drop a nonkey column from a table, no preliminary steps are needed, and we can simply use the ALTER TABLE DROP COLUMN statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905270>



### Question 1179

When dropping tables and relationships, which of the following steps is/are included in the process? (The order of the steps listed below is not relevant, only the steps themselves.)

- Drop the foreign key constraints from the tables
- Drop the tables
- Drop the primary key constraints from the tables
- Both Drop the foreign key constraints from the tables and Drop the tables are correct

Answer: <https://biology-forums.com/index.php?topic=1905318>

### Question 1180

Having to enter facts about two entities when we want to enter facts about only one is an example of \_\_\_\_\_.

- insertion anomaly
- update anomaly
- deletion anomaly
- normalization anomaly

Answer: <https://biology-forums.com/index.php?topic=1904744>

### Question 1181

An entity whose existence depends on the presence of another entity but whose identifier does not include the identifier of the other entity is a(n) \_\_\_\_\_.

- strong entity
- weak entity
- ID-dependent entity
- subtype entity

Answer: <https://biology-forums.com/index.php?topic=1904978>

### Question 1182

Given the SQL statement:

```
CREATE TABLE SALESREP (  
SalesRepNo int NOT NULL, RepName char(35) NOT NULL, HireDate date NOT NULL, CONSTRAINT SalesRepPK PRIMARY KEY  
(SalesRepNo), CONSTRAINT SalesRepAK1 UNIQUE (RepName) );
```

We know that \_\_\_\_\_.

- RepName is the primary key
- RepName is a foreign key
- RepName is a candidate key
- RepName is a surrogate key

Answer: <https://biology-forums.com/index.php?topic=1905179>

### Question 1183

Which of the following is not true about bytecode interpretation?

- It may be performed on the client or the server.
- Only one bytecode interpreter is needed for all machine architectures.
- It is slower than running a program compiled into machine code.
- It increases portability.

Answer: <https://biology-forums.com/index.php?topic=1905986>

### Question 1184

Describe and discuss the main elements of the Entity-Relationship (E-R) model. Include an example.

Answer: <https://biology-forums.com/index.php?topic=1904993>

### Question 1185

Briefly describe how a developer defines the type of locking behavior to be used with SQL Server.

Answer: <https://biology-forums.com/index.php?topic=1905541>

### Question 1186

Maximum cardinality refers to \_\_\_\_\_.

- the most instances of one entity class that can be involved in a relationship instance with another entity class
- the minimum number of entity classes involved in a relationship
- whether or not an instance of one entity class is required to be related to an instance of another entity class
- whether or not an entity is a weak entity

Answer: <https://biology-forums.com/index.php?topic=1904967>

### Question 1187

A for-use-by pattern must involve what kind of entity?

- Strong entity
- Supertype entity
- Weak entity with one identifying relationship
- Weak entity with two identifying relationships

Answer: <https://biology-forums.com/index.php?topic=1904989>

### Question 1188

Normalization eliminates modification anomalies and data duplication.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904782>

### Question 1189

In SQL Server, a differential backup makes a copy of the entire database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905494>

### Question 1190

MySQL users are granted MySQL privileges for specific schemas only.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905766>

### Question 1191

Why is the decomposition of the features and functions of a DBMS into different objects an advantage for OLE DB?

Answer: <https://biology-forums.com/index.php?topic=1906002>

### Question 1192

Explain the terms relation, tuple, and attribute.

Answer: <https://biology-forums.com/index.php?topic=1904758>

### Question 1193

Which type of trigger is commonly used to update views?

- BEFORE triggers
- AFTER triggers
- SELECT triggers
- INSTEAD OF triggers

Answer: <https://biology-forums.com/index.php?topic=1905701>

### Question 1194

A Java virtual machine is actually a \_\_\_\_\_.

- program compiler
- JDBC data source
- bytecode interpreter
- JDBC driver

Answer: <https://biology-forums.com/index.php?topic=1905985>

### Question 1195

SQL triggers can be used when the DBMS receives a(n) \_\_\_\_\_ request.

- INSERT
- SELECT
- ALTER
- CREATE

Answer: <https://biology-forums.com/index.php?topic=1905204>

### Question 1196

SQL triggers are created using the ADD TRIGGER statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905166>

### Question 1197

Stored procedures have the advantage of greater security, decreased network traffic, SQL optimized by the DBMS compiler, and code sharing.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905171>

### Question 1198

Indexes are data structures that speed database searches.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904391>

### Question 1199

The purpose of a database is to \_\_\_\_\_.

- help people keep track of things
- store data in tables
- create tables of rows and columns
- maintain data on different things in different tables

Answer: <https://biology-forums.com/index.php?topic=1904449>

### Question 1200

In addition to being a data sublanguage, SQL is also a programming language, like Java or C#.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904503>

### Question 1201

Question 1. In a B-Tree whose top entry contains the values 47 and 88, the middle arrow allows access to all records whose key field values are \_\_\_\_\_.

- less than 47
- greater than 47 and less than 88
- greater than 47 and less than or equal to 88
- greater than 88

Question 2. An important property of B-Trees is that they are balanced to maintain efficient and predictable performance. "Balanced" here means that \_\_\_\_\_.

- every pointer allows access to the same number of data records
- the numbers at every level of the B-Tree have the same average value
- the key field values are the same at every level
- every data record is the same distance from the top entry of the B-Tree

Answer: <https://biology-forums.com/index.php?topic=1906338>

### Question 1202

Question 1. As a markup language, XML is significantly better than HTML in all the following ways except \_\_\_\_\_.

- XML provides a clean separation between document structure, content, and materialization
- XML has facilities for dealing with document structure, content, and materialization even though they are confounded
- XML is standardized allowing for extension by developers
- XML eliminates the inconsistent tag used that is possible with HTML

Question 2. A stylesheet is used \_\_\_\_\_.

- by XSLT to indicate how to transform the elements of the XML document into another format
- by XSLT to indicate how to transform one document into another document
- by XSLT to find a command element to tag
- by XSLT to transform an HTML document into an XML document

Answer: <https://biology-forums.com/index.php?topic=1906361>

### Question 1203

Which of the following are difficulties when changing the maximum cardinality from 1:1 to 1:N?

- Preserving the existing tables
- Preserving the existing relationships
- Preserving the existing data
- Both Preserving the existing tables and Preserving the existing relationships are correct

Answer: <https://biology-forums.com/index.php?topic=1905315>

### Question 1204

What is MySQL?

Answer: <https://biology-forums.com/index.php?topic=1905812>

### Question 1205

What MySQL utility is used for DBMS administration?

Answer: <https://biology-forums.com/index.php?topic=1905817>

### Question 1206

Database professionals use \_\_\_\_\_ as specific data sources for studies and analyses.

- data marts
- normalization
- data models
- entity-relationship data modeling

Answer: <https://biology-forums.com/index.php?topic=1904475>

### Question 1207

Which of the following is not true about ADO.NET?

- It is an improved and expanded version of ADO.
- It facilitates the transformation of XML documents to and from relational database constructs.
- It provides the ability to create and process in-memory databases.
- Microsoft does not supply a data provider for Oracle database.

Answer: <https://biology-forums.com/index.php?topic=1905973>

### Question 1208

It is possible to have a relation that does not have a key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904691>

### Question 1209

In an SQL query, which built-in function is used to total numeric columns?

- AVG
- COUNT
- MAX
- SUM

Answer: <https://biology-forums.com/index.php?topic=1904576>

### Question 1210

Question 1. In a document database one is willing to accept a certain amount of redundancy in return for some flexibility, performance, and scalability.

- true
- false

Question 2. The query language provided by ArangoDB is called ArangoDB Query Language.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906393>

### Question 1211

The current DBMS engine in Microsoft Access is called ADE.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904379>

### Question 1212

Because SQL stored procedures allow and encourage code sharing among developers, stored procedures give database application developers all these advantages except \_\_\_\_\_.

- less work
- standardized processing
- specialization among developers
- faster query response times

Answer: <https://biology-forums.com/index.php?topic=1905212>

### Question 1213

Triggers that have been created in MySQL are displayed as objects in the Object Browser of the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905758>

### Question 1214

In an SQL query, which SQL keyword must be used to remove duplicate rows from the result table?

- DELETE
- DISTINCT
- UNIQUE
- KEY

Answer: <https://biology-forums.com/index.php?topic=1904566>

### Question 1215

Which of the following is not true about N:M recursive relationships?

- Both foreign keys in the intersection table refer to the same table.
- Since it is a recursive relationship, an intersection table is not needed.
- The foreign keys in the intersection table can't refer to the same attribute in the parent table.
- Both Since it is a recursive relationship, an intersection table is not needed and The foreign keys in the intersection table can't refer to the same attribute in the parent table are correct.

Answer: <https://biology-forums.com/index.php?topic=1905084>

### Question 1216

Two-phased locking is a scheme for achieving serializability of transactions.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905362>

### Question 1217

An OLE DB service provider accepts data from an OLE DB tabular data provider.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905911>

### Question 1218

Anomalies caused by functional dependencies can be eliminated by putting tables into \_\_\_\_\_.

- 1NF
- 2NF
- 3NF
- BCNF

Answer: <https://biology-forums.com/index.php?topic=1904835>

### Question 1219

The supremetype entity contains the attributes that are common to all subtypes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904950>

### Question 1220

When dropping a foreign key column from a table, which of the following steps is (are) included in the process? (The order of the steps listed below is not relevant, only the steps themselves.)

- Drop the foreign key constraint from the table
- Drop the foreign key column from the table
- Drop the primary key in the other table referenced by the referential integrity constraint
- Both Drop the foreign key constraint from the table and Drop the foreign key column from the table are correct

Answer: <https://biology-forums.com/index.php?topic=1905311>

### Question 1221

The IDEF1X default cardinality of a nonidentifying connection relationship is indicated by a dashed line with a filled-in circle by the child and no other notation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906152>

### Question 1222

SQL Server automatically makes determinations of whether or not to promote or demote a lock.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905483>

### Question 1223

Which of the following is not true about OLE DB?

- Scripting languages can access OLE DB.
- OLE DB is object-oriented.
- OLE DB can access ODBC data sources.
- OLE DB can access non-relational data sources.

Answer: <https://biology-forums.com/index.php?topic=1905965>

### Question 1224

With SQL Server, the clustered index is faster for data retrieval.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905467>

### Question 1225

In Microsoft Visio 2016, the data models in this book are created using \_\_\_\_\_.

- the Chen's Database Notation template
- the UML database Notation template

- the IDEF1X Database Notation template
- the Crow's Foot Database Notation template

Answer: <https://biology-forums.com/index.php?topic=1906193>

### Question 1226

What name is so special to SQL Server that no stored procedure will work on a table with that name, not even if it is enclosed in brackets?

- NAME
- UPDATE
- TRANSACTION
- KEY

Answer: <https://biology-forums.com/index.php?topic=1905507>

### Question 1227

Database administration tasks must be performed for single-user, personal databases.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905342>

### Question 1228

The PL/SQL keyword STOP HERE is used to complete the basic PL/SQL block structure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905646>

### Question 1229

All database applications send and receive database data by sending SQL statements to the DBMS.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904384>

### Question 1230

Relations in BCNF have no modification anomalies regarding functional dependencies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904786>

### Question 1231

To represent a 1:N relationship in a relational database design, an intersection table is created.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905032>

### Question 1232

Explain the relationships among primary keys and functional dependencies.

Answer: <https://biology-forums.com/index.php?topic=1904761>

### Question 1233

When increasing cardinalities from 1:N to N:M, which of the following steps is not included in the process? (The order of the steps listed below is not relevant, only the steps themselves.)

- Create an intersection table
- Populate the intersection table
- Drop the old foreign key
- Drop the primary key

Answer: <https://biology-forums.com/index.php?topic=1905316>

### Question 1234

Describe how to create and run an SQL query in MySQL Server Community Edition.

Answer: <https://biology-forums.com/index.php?topic=1905814>

### Question 1235

A relation is in domain/key normal form if \_\_\_\_\_.

- every key of the relation is a logical consequence of the definition of constraints and determinants
- every key of the relation is a logical consequence of the definition of constraints and domains
- every constraint on the relation is a logical consequence of the definition of keys and determinants
- every constraint on the relation is a logical consequence of the definition of keys and domains

Answer: <https://biology-forums.com/index.php?topic=1904754>

### Question 1236

The names of tables to be joined in an SQL query are listed in the FROM clause.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904550>

### Question 1237

Describe the steps in assessing table structure when you are given a set of tables and asked to construct a new database to store the existing data.

Answer: <https://biology-forums.com/index.php?topic=1904853>

### Question 1238

Briefly define and discuss what an information system is, the five components that comprise an information system, and what the purpose of an information system is.

Answer: <https://biology-forums.com/index.php?topic=1906141>

### Question 1239

To display an existing SQL script, click the "Open an SQL script file (in new query tab)" button.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905740>

### Question 1240

Question 1. The data model used in a document database is often referred to as \_\_\_\_\_ data.

- structured
- full-structured
- relational
- semi-structured

Question 2. A document (object in JSON terminology) consists of a set of \_\_\_\_\_ pairs.

- column, value
- field, value
- record, field
- column, field

Answer: <https://biology-forums.com/index.php?topic=1906398>

### Question 1241

People are hired (if necessary) and trained during the \_\_\_\_\_ step of the SDLC.

- system definition
- requirements analysis
- component design
- implementation

Answer: <https://biology-forums.com/index.php?topic=1906137>

### Question 1242

In Oracle Database security, a Role can have many system privileges.

- true
- false



Answer: <https://biology-forums.com/index.php?topic=1905621>

### Question 1243

A functional dependency is a relationship between attributes such that if we know the value of one attribute, we can determine the value of the other attribute.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904675>

### Question 1244

To count the number of rows in a table, use COUNT(ROWS).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904768>

### Question 1245

SQL Server 2017 provides two ways to create tables—graphically and through SQL code.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905449>

### Question 1246

The condition in WHERE clauses can refer to a set of values by using the IN operator.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904528>

### Question 1247

ID-dependent entities are a common type of weak entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904939>

### Question 1248

The default isolation level in Oracle Database is Read Committed, which provides statement level isolation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905662>

### Question 1249

The CONSTRAINT keyword can be used in conjunction with the SQL keywords PRIMARY KEY and FOREIGN KEY.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905127>

### Question 1250

When the correct SQL command is used to delete a table's structure, what happens to the data in the table?

- If the deleted table was a parent table, the data is added to the appropriate rows of the child table.
- If the deleted table was a child table, the data is added to the appropriate rows of the parent table.
- The data in the table is also deleted.
- Nothing because there was no data in the table since only an empty table can be deleted.

Answer: <https://biology-forums.com/index.php?topic=1905183>

### Question 1251

The name TRANSACTION is so special to SQL Server that no stored procedures will work on a table with that name.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905455>

### Question 1252

If the SQL statement  
SELECT C1, C2, C3  
FROM T4  
WHERE C2 = 'Smith';

is frequently executed, which column(s) should be considered for indexing based only on the statement itself?

- C1 only
- C2 only
- C3 only
- C1 and C2

Answer: <https://biology-forums.com/index.php?topic=1905681>

### Question 1253

The goal of database security is to ensure that only authorized users can perform authorized activities at authorized times.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905381>

### Question 1254

To remove duplicate rows from the result of a query, specify the DISTINCT keyword.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904512>

### Question 1255

A database extracted from the operational database for BI purposes typically \_\_\_\_\_.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904560>

### Question 1256

The Oracle Database PL/SQL statement used to define a set of PL/SQL statements is \_\_\_\_\_.

- DECLARE
- BEGIN
- IF...THEN...ELSE...END IF
- LOOP

Answer: <https://biology-forums.com/index.php?topic=1905692>

### Question 1257

Which of the following statements is not true concerning the MySQL for Excel Add-In?

- It must be installed into MySQL before importing from Excel can be performed.
- The user must enter a password to connect to the MySQL instance.
- The data must first be normalized before importing.
- The user can modify some of the table characteristics before the actual data transfer.

Answer: <https://biology-forums.com/index.php?topic=1905784>

### Question 1258

Users should create a folder to hold EER models created with the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906209>

### Question 1259

One example of a database design using an ID-dependent relationship is the archetype/instance pattern.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904947>

### Question 1260

To execute an SQL query, click the "Execute the selected portion of the script or everything, if there is no selection" button.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905743>

### Question 1261

The following database will be used in this question:

GENERAL SALES DATABASE:

SALESREP

SalesRepNoRepNameHireDate654Jones01/02/2005734Smith02/03/2007345Chen01/25/2018434Johnson11/23/2004

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

Explain the use of the SQL keyword LIKE. Include an example based on the CUSTOMER table from the General Sales database; use at least one wildcard.

Answer: <https://biology-forums.com/index.php?topic=1904603>

### Question 1262

Write the database table design to represent the data model below, including tables, the proper placement of the foreign key, and referential integrity constraint.

Answer: <https://biology-forums.com/index.php?topic=1905103>

### Question 1263

IDEF1X entities are the same as the entities in the extended E-R model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906144>

### Question 1264

In IDEF1X, extended E-R model ID-dependent relationships are called \_\_\_\_\_.

- nonidentifying connection relationships
- identifying connection relationships
- nonspecific relationships
- category clusters

Answer: <https://biology-forums.com/index.php?topic=1906162>

### Question 1265

Briefly describe the various tasks of the primary key.

Answer: <https://biology-forums.com/index.php?topic=1904760>

### Question 1266

You are given an E-R diagram with two entities, ORDER and CUSTOMER, as shown above. What does the symbol next to the ORDER entity indicate?

- A maximum cardinality of "zero"
- A maximum cardinality of "one"
- A minimum cardinality of "optional"
- A minimum cardinality of "required"

Answer: <https://biology-forums.com/index.php?topic=1904975>

### Question 1267

Hypertext Transport Protocol (HTTP) is a technology used to \_\_\_\_\_.

- connect servers to a client in a Client-Server architecture
- connect to web pages over the Internet
- connect applications to a DBMS
- connect hardware devices to a computer system

Answer: <https://biology-forums.com/index.php?topic=1904463>

### Question 1268

One deliverable from the requirements analysis step of the systems development life cycle (SDLC) is a statement of requirements (SOR).

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906128>

### Question 1269

Which trigger type(s) does MySQL support?

- BEFORE
- AFTER
- INSTEAD OF
- Both BEFORE and AFTER are correct

Answer: <https://biology-forums.com/index.php?topic=1905805>

### Question 1270

Question 1. The most popular way to materialize XML documents is to use Extensible Style Language: Transformations.

- true
- false

Question 2. A stylesheet is used by XSLT to indicate how to transform the elements of the XML document into another format such as HTML.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906353>

### Question 1271

Each Oracle Database tablespace has one or more datafiles associated with it.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905618>

### Question 1272

The SQL built-in function MIN obtains the smallest value in a numeric column.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904537>

### Question 1273

In addition to the standard SQL Server 2017 tools, SQL statements such as CREATE TABLE can now also be executed by using Microsoft's PowerShell.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905447>

### Question 1274

In an SQL query, which built-in function is used to compute the number of rows in a table?

- AVG
- COUNT
- MAX
- SUM

Answer: <https://biology-forums.com/index.php?topic=1904581>

### Question 1275

Which of the following is not true about two-phased locking?

- Cannot obtain a new lock once a lock has been released
- Uses only shared locks
- Has a growing phase
- Has a shrinking phase

Answer: <https://biology-forums.com/index.php?topic=1905412>

### Question 1276

E-commerce companies use Web activity databases to determine which items on a Web page are popular and successful.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904362>

### Question 1277

The GUI tool for creating a new index is the Oracle SQL Developer \_\_\_\_\_.

- Edit Table table editor
- Edit Index index editor
- Edit Schema schema editor
- Physical Design editor

Answer: <https://biology-forums.com/index.php?topic=1905685>

### Question 1278

The design produced by reverse engineering may be described as a table-relationship diagram.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905256>

### Question 1279

A referential integrity constraint limits the values of a foreign key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904701>

### Question 1280

A database design may be part of a new systems development project.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904435>

### Question 1281

You have been given two tables, CUSTOMER and SALE. You want to check the referential integrity constraint:

SALE.CustomerNumber must exist in CUSTOMER.CustomerNumber

You run the following SQL query:

```
SELECTCustomerNumberFROMSALEWHERECustomerNumber NOT IN(SELECTCustomerNumberFROMCUSTOMER);
```

What is shown in the results of this query?

- All values of CustomerNumber that match the constraint.
- All values of CustomerNumber that violate the constraint.
- All values of CustomerNumber where  
SALE.CustomerNumber = CUSTOMER.CustomerNumber.
- All values of Customer number that are in CUSTOMER but not in SALE.

Answer: <https://biology-forums.com/index.php?topic=1904831>

### Question 1282

Which SQL keyword is used to change one or more rows in a table?

- MODIFY
- INSERT
- SELECT

• UPDATE

Answer: <https://biology-forums.com/index.php?topic=1905185>

### Question 1283

Briefly explain the process for configuring MySQL for importing Excel 2016 spreadsheet data into a SQL Server table, then discuss the import process using the MySQL for Excel Add-In.

Answer: <https://biology-forums.com/index.php?topic=1905823>

### Question 1284

In Microsoft Visio 2016, Relationship connector objects can be formatted with the line end symbols needed to create IE Crow's Foot notation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906184>

### Question 1285

According to the SQL-92 standard, statements used to construct views cannot contain the WHERE clause.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905146>

### Question 1286

Question 1. A decision tree represents a set of rules that can be easily expressed in English or in SQL.

- true
- false

Question 2. In using a decision tree, questions are represented by ovals and decisions by rectangles.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906368>

### Question 1287

EXISTS and NOT EXISTS are actually just another form of correlated subqueries.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905245>

### Question 1288

If the table PRODUCT has a column PRICE that has the data type Numeric (8,2), the value 12345 will be displayed by the DBMS as \_\_\_\_\_.

- 123.45
- 12345
- 12345.00
- 123450.00

Answer: <https://biology-forums.com/index.php?topic=1905175>

### Question 1289

With ODBC, a file data source is available only to the user that created it.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905901>

### Question 1290

In ODBC, the amount of work that the driver must do is largely determined by the degree of SQL-compliance of the data source.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905899>

### Question 1291

dBase was the first PC-based DBMS to implement true relational algebra on a PC.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904442>

### Question 1292

When the child entity is required (M) in a relationship, there needs to always be at least one child row for each parent row.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905064>

### Question 1293

The program that manages the various virtual machines (which can of course be running their own DBMS installation) running on a physical machine is called a \_\_\_\_\_.

- supervisor
- hypervisor
- virtual operating system
- virtual DBMS

Answer: <https://biology-forums.com/index.php?topic=1906085>

### Question 1294

Like a spreadsheet, a database table has rows and columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904354>

### Question 1295

Copying spreadsheet data into a database is part of a larger data warehousing process known as \_\_\_\_\_.

- import/export
- spreadsheet conversion
- extract, transform, and load
- data verification

Answer: <https://biology-forums.com/index.php?topic=1905689>

### Question 1296

Saying that two entities are functionally dependent means that \_\_\_\_\_.

- the entities are always connected by a mathematical equation
- for one of the entities, if we are given the value of that entity, we can determine the value of one other entity
- for both entities, if we are given the value of one entity, we can determine the value of the other entity
- the functional dependency will have to be removed through normalization

Answer: <https://biology-forums.com/index.php?topic=1904729>

### Question 1297

Deleting tables and relationships is basically a matter of dropping foreign key constraints and then dropping the tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905281>

### Question 1298

Based on the tables below, which of the following commands in ANSI SQL would return only the name of the sales representative and the name of the customer for each customer that has a balance greater than 400?

GENERAL SALES DATABASE:

SALESREP

SalesRepNoRepNameHireDate654Jones01/02/2005734Smith02/03/2007345Chen01/25/2018434Johnson11/23/2004

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

- SELECT \*

```
FROM SALESREP, CUSTOMER
WHERE Balance > 400;
• SELECT DISTINCT RepName, CustName
FROM SALESREP, CUSTOMER
WHERE Balance > 400;
• SELECT *
FROM SALESREP, CUSTOMER
WHERE SALESREP.SalesRepNo = CUSTOMER.SalesRepNo
AND Balance > 400;
• SELECT RepName, CustName
FROM SALESREP, CUSTOMER
WHERE SALESREP.SalesRepNo = CUSTOMER.SalesRepNo
AND Balance > 400;
Answer: https://biology-forums.com/index.php?topic=1904587
```

### Question 1299

In an SQL query of two tables, which SQL keyword indicates that we want data from all the rows of one table to be included in the result, even if the row does not correspond to any data in the other table?

- LEFT JOIN
- RIGHT JOIN
- INCLUDE
- Both LEFT JOIN and RIGHT JOIN are correct

Answer: <https://biology-forums.com/index.php?topic=1904595>

### Question 1300

SQL is a \_\_\_\_\_.

- data sublanguage
- data placement source
- data subjective source
- a full-blown programming language

Answer: <https://biology-forums.com/index.php?topic=1904562>

### Question 1301

A tuple is a group of one or more columns that uniquely identifies a row.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904674>

### Question 1302

When one SQL query is embedded in another SQL query, the top-level SQL query can still contain an SQL \_\_\_\_\_ clause.

- FROM or SORT BY
- UNIQUE IN
- GROUP BY
- WHERE IN

Answer: <https://biology-forums.com/index.php?topic=1904591>

### Question 1303

Using the VRG database as an example, briefly describe what a final database design consists of.

Answer: <https://biology-forums.com/index.php?topic=1905106>

### Question 1304

Which of the following is a type of cursor concurrency that causes SQL Server to place an update lock on a row when the row is read?

- SCROLL\_LOCK
- Optimistic
- Serializable
- Read only

Answer: <https://biology-forums.com/index.php?topic=1905528>



### Question 1305

The SQL function COUNT \_\_\_\_\_.

- counts the number of columns in a table
- counts the number of rows in a table
- counts the number of tables in a database
- counts the number of updates to a database

Answer: <https://biology-forums.com/index.php?topic=1904828>

### Question 1306

Question 1. The 3V framework for discussing Big Data consists of Volume, Velocity, and Variety.

- true
- false

Question 2. The 3V framework for discussing Big Data consists of Volume, Velocity, and Vicious.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906382>

### Question 1307

A very popular development technique used by database professionals to adopt a database design to a new or changing requirement is known as \_\_\_\_\_.

- normalization
- data models
- entity-relationship data modeling
- database migration

Answer: <https://biology-forums.com/index.php?topic=1904478>

### Question 1308

Microsoft uses the term object as a general name for various parts of a Microsoft Access 2016 database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906101>

### Question 1309

Locks with large granularity are easy for the DBMS to administer, but frequently cause conflicts.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905361>

### Question 1310

An attribute is also known as a \_\_\_\_\_.

- table
- relation
- row
- column

Answer: <https://biology-forums.com/index.php?topic=1904728>

### Question 1311

When SQL statements are executed, the statements transform tables.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904543>

### Question 1312

MySQL users must be granted the right to have MySQL schema privileges before the specific privileges themselves are granted.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905768>

### Question 1313

Question 1. The NetBeans IDE supports PHP directly without any plugins.

- true
- false

Question 2. Only the 64-bit version of the Java Runtime Environment should be installed when using a 64-bit operating system.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906345>

### Question 1314

The DBA should periodically analyze run-time statistics of database performance to help manage the DBMS.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905396>

### Question 1315

In the database redesign process, an SQL tool that is useful for testing whether or not certain conditions or assumptions are valid is \_\_\_\_\_.

- UPDATE
- DROP TABLE
- CREATE TRIGGER
- NOT EXISTS

Answer: <https://biology-forums.com/index.php?topic=1905285>

### Question 1316

The essence of normalization is taking a relation that is not in BCNF and breaking it into multiple relations such that each one is in BCNF.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904716>

### Question 1317

An association object relates two (or more) objects and stores data that are peculiar to that relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906231>

### Question 1318

Business Intelligence (BI) systems obtain their data by all of the following means except \_\_\_\_\_.

- read and process data from an operational database
- process extracts from operational databases
- process data purchased from data vendors
- read and process data entered by BI system users

Answer: <https://biology-forums.com/index.php?topic=1906043>

### Question 1319

In the MySQL Table Editor, the abbreviation AI stands for Artificial Intelligence.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906211>

### Question 1320

Which of the following would a DBA typically NOT do in managing the DBMS?

- Analyze system performance statistics
- Install new versions of the operating system, as needed
- Evaluate new DBMS product features
- Tune DBMS product options to accommodate other software in use

Answer: <https://biology-forums.com/index.php?topic=1905429>

### Question 1321

What is reverse engineering and how well does it work?

Answer: <https://biology-forums.com/index.php?topic=1905325>

### Question 1322

To sort the rows of the result table, the ORDER BY clause is specified.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904521>

### Question 1323

Business Intelligence (BI) systems typically store their data in data warehouses.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904495>

### Question 1324

In Microsoft Visio 2016, for a Relationship object relationship that is one-mandatory on the child side of the relationship, the correct setting in the Symbol menu is \_\_\_\_\_.

- 1 and only 1
- 1 or more
- Zero or 1
- Zero or more

Answer: <https://biology-forums.com/index.php?topic=1906192>

### Question 1325

A "hybrid object" is a semantic object that relates two or more objects and stores data that are peculiar to that relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906230>

### Question 1326

For triggers on insert and update actions, the new column values are stored in \_\_\_\_\_.

- a table named new:TableName
- a table named old:TableName
- a pseudotable name inserted
- a pseudotable named deleted

Answer: <https://biology-forums.com/index.php?topic=1905523>

### Question 1327

ADO.NET in-memory databases are called \_\_\_\_\_.

- adoBases
- adoDatabases
- DataSets
- dotNetDatabases

Answer: <https://biology-forums.com/index.php?topic=1905974>

### Question 1328

Instead of creating a new database instance in Oracle Database, it is preferable to create a new tablespace.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905617>

### Question 1329

Distinguish between Char and VarChar data types. Include examples and tradeoffs.

Answer: <https://biology-forums.com/index.php?topic=1905221>

### Question 1330

To limit the number of rows retrieved from a table, use the TOP keyword.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904770>

### Question 1331

When transforming a data model into a relational design, relationships of all degrees are treated as combinations of binary relationships.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904922>

### Question 1332

What are referential integrity constraints? Give an example.

Answer: <https://biology-forums.com/index.php?topic=1904492>

### Question 1333

Which SQL statement is used to retrieve view instances?

- CREATE
- DELETE
- INSERT
- SELECT

Answer: <https://biology-forums.com/index.php?topic=1905193>

### Question 1334

IDEF1X identifying connection relationships correspond to ID-dependent relationships in the extended E-R model.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906150>

### Question 1335

The first step in transforming an extended E-R model into a relational database design is to \_\_\_\_\_.

- create a table for each relationship
- evaluate the entities against the normalization criteria
- create a table for each entity
- remove any recursive relationships

Answer: <https://biology-forums.com/index.php?topic=1905067>

### Question 1336

Which schema privilege should not be specifically assigned to a user account?

- SELECT
- CREATE
- GRANT
- Both SELECT and CREATE are correct

Answer: <https://biology-forums.com/index.php?topic=1905810>

### Question 1337

Based on the table below, a function to compute a 10% late penalty on a customer's balance would have how many input parameters?

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

- 0
- 1
- 2
- it doesn't matter

Answer: <https://biology-forums.com/index.php?topic=1905216>

### Question 1338

The design transformation for all IS-A relationships can be summarized by the phrase "place the key of the parent table in the child table."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905047>

### Question 1339

MySQL users should always be given the GRANT OPTION for each schema.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905770>

### Question 1340

In a 1:N relationship, the term parent refers to the N side of the relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904929>

### Question 1341

To set a column value to an initial value that is selected according to some business logic, you would use \_\_\_\_\_.

- the SQL DEFAULT constraint with the CREATE TABLE command
- an SQL view
- embedded SQL
- an SQL trigger

Answer: <https://biology-forums.com/index.php?topic=1905208>

### Question 1342

Rows in a table can be changed by using the UPDATE statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905139>

### Question 1343

In Microsoft Access 2016, the maximum length in characters of a "Short Text" data type column is \_\_\_\_\_.

- 25
- 255
- 65535
- unlimited

Answer: <https://biology-forums.com/index.php?topic=1906115>

### Question 1344

During the database redesign process, you discover that when an ORDER is deleted, its corresponding entries in the LINE\_ITEM table are not deleted (but you would like them to be). To fix, this, you use what SQL syntax?

- ON UPDATE CASCADE
- ON DELETE CASCADE
- CASCADE CONSTRAINTS
- DEFAULT

Answer: <https://biology-forums.com/index.php?topic=1905319>

### Question 1345

The SQL built-in function AVG computes the average of values in numeric columns.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904535>

### Question 1346

An ad-hoc query is \_\_\_\_\_.

- a question about the data that requires a program to be written
- a question that can be answered from the database using SQL
- a question that can be answered only by combining several SQL queries
- never useful in Business Intelligence scenarios

Answer: <https://biology-forums.com/index.php?topic=1904561>

### Question 1347

SQL Server system function names start with the symbol \_\_\_\_\_.

- @@
- #
- ##
- @

Answer: <https://biology-forums.com/index.php?topic=1905522>

### Question 1348

In IDEF1X, extended E-R model subtype entities are grouped into \_\_\_\_\_.

- generic entities
- category entities
- nonspecific entities
- category clusters
- There is no equivalent IDEF1X term.

Answer: <https://biology-forums.com/index.php?topic=1906165>

### Question 1349

If a relation is in BCNF, and each multivalued dependency has been moved to a relation of its own, then the first relation is in \_\_\_\_\_.

- Third Normal Form
- Boyce-Codd Normal Form
- Fourth Normal Form
- Domain/key normal form

Answer: <https://biology-forums.com/index.php?topic=1904752>

### Question 1350

According to ANSI SQL, the serializable isolation level will not allow phantom reads, dirty reads, and nonrepeatable reads.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905378>

### Question 1351

A relation is a table composed of columns and rows.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904670>

### Question 1352

Data warehouses use a(n) \_\_\_\_\_.

- operational database
- dimensional database
- structured storage
- object-relational data model

Answer: <https://biology-forums.com/index.php?topic=1906048>

### Question 1353

A dynamic cursor saves primary key values when the cursor is opened and retrieves the values for each row as the application program accesses it.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905380>

### Question 1354

To change the minimum cardinality on the parent side from zero to one, the foreign key, which would have been NULL, must be changed to NOT NULL.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905275>

### Question 1355

Give an example of how XML can be used with a DBMS.

Answer: <https://biology-forums.com/index.php?topic=1906016>

### Question 1356

ODBC works with table-like data sources such as relational databases and spreadsheets.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905894>

### Question 1357

The recommended SQL Server security is Windows-only security.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905491>

### Question 1358

Joins that show the matching rows from the joined tables, plus unmatched rows from one other table in their results, are called outer joins.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904556>

### Question 1359

Question 1.Explain what a document is in a document database.

Question 2.Explain how you would download and install ArangoDB.

Answer: <https://biology-forums.com/index.php?topic=1906403>

### Question 1360

Functional dependencies can involve groups of attributes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904681>

### Question 1361

Describe how to get started creating a new database design in the MySQL Workbench.

Answer: <https://biology-forums.com/index.php?topic=1906216>

### Question 1362

The elimination of modification anomalies and the reduction of duplicated data are advantages of normalization.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904780>

### Question 1363

With SQL Server, a clustered index has the data with, and in the same order as, the bottom level of the index.

- true

• false

Answer: <https://biology-forums.com/index.php?topic=1905464>

### Question 1364

\_\_\_\_\_ is the process of joining two or more tables and storing the result as a single table.

- Querying
- Normalization
- Denormalization
- Updating

Answer: <https://biology-forums.com/index.php?topic=1904841>

### Question 1365

Attributes may be \_\_\_\_\_.

- complete
- rows
- multivalued
- instances

Answer: <https://biology-forums.com/index.php?topic=1904962>

### Question 1366

A composite attribute is an attribute that \_\_\_\_\_.

- is multivalued
- describes a characteristic of the relationship
- consists of a group of attributes
- is calculated at run-time

Answer: <https://biology-forums.com/index.php?topic=1904964>

### Question 1367

Which of the following statements is true about Web 2.0?

- It requires the Android Operating System.
- It allows users to add content to Web sites.
- Twitter and Facebook are examples of Web 2.0 sites.
- Both It allows users to add content to Web sites and Twitter and Facebook are examples of Web 2.0 sites are correct

Answer: <https://biology-forums.com/index.php?topic=1904451>

### Question 1368

Discuss the DBMS security model.

Answer: <https://biology-forums.com/index.php?topic=1905442>

### Question 1369

The identifier of the entity becomes the \_\_\_\_\_ of the corresponding table.

- primary key
- foreign key
- supertype
- subtype

Answer: <https://biology-forums.com/index.php?topic=1905069>

### Question 1370

For which of the following types of failure would Oracle Database use OnLine ReDo files as part of a recovery effort?

- Instance failure
- Application failure
- Media failure
- Logic failure

Answer: <https://biology-forums.com/index.php?topic=1905709>

### Question 1371

Which of the following is not true about ADO.NET DataSets?



- They can have multiple tables and relationships.
- They can have foreign keys and surrogate keys.
- They can support referential integrity actions.
- Operations performed on DataSets are also performed on the data on disk.

Answer: <https://biology-forums.com/index.php?topic=1905976>

### Question 1372

The characteristics of a thing are described by its \_\_\_\_\_.

- identifiers
- entities
- objects
- attributes

Answer: <https://biology-forums.com/index.php?topic=1904961>

### Question 1373

Based on the tables below, which of the following SQL statements would increase the balance of the Gonzales account by \$100 to a total of \$450?

GENERAL SALES DATABASE:

SALESREP

SalesRepNoRepNameHireDate654Jones01/02/2005734Smith02/03/2007345Chen01/25/2018434Johnson11/23/2004

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

• SELECT Gonzales  
FROM CUSTOMER  
INSERT VALUES PLUS (100) INTO Balance;

• SELECT Gonzales  
FROM CUSTOMER  
INSERT VALUES (450) INTO Balance;

• INSERT INTO CUSTOMER VALUES (450)  
SELECT Balance

WHERE CustName = 'Gonzales';

• UPDATE CUSTOMER

SET Balance = 450

WHERE CustName = 'Gonzales';

Answer: <https://biology-forums.com/index.php?topic=1905188>

### Question 1374

What are the four components of a database system?

Answer: <https://biology-forums.com/index.php?topic=1904486>

### Question 1375

One or more rows can be added to a table by using the INSERT statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905137>

### Question 1376

What are general-purpose remarks columns, and why are they a problem?

Answer: <https://biology-forums.com/index.php?topic=1904863>

### Question 1377

The IS NULL keyword can be used to count the number of nulls in a column.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904818>

### Question 1378

A business process is a set of activities that transforms materials into products.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906126>

### Question 1379

To use an SQL Server 2017 database in an Microsoft Excel 2016 PivotTable, it is generally useful to \_\_\_\_\_.

- create a view in SQL Server 2017 to organize the data
- store the needed data in an Excel worksheet
- store the needed data in a Word document
- store the needed data in a Visio diagram

Answer: <https://biology-forums.com/index.php?topic=1906056>

### Question 1380

The MySQL Schema Privileges Select "ALL" button marks all MySQL privileges for assignment to the user.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905769>

### Question 1381

Oracle Database uses a System Change Number (SCN) to identify before images in rollback segments to prevent dirty reads.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905659>

### Question 1382

The SQL wildcard character "%" represents a series of one or more unspecified characters.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904530>

### Question 1383

When you use the Microsoft SQL Server Management Studio to run and rerun a set of SQL Server DBMS commands stored in a text file, the stored procedure must start with CREATE PROCEDURE.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905474>

### Question 1384

Because SQL statements are table-oriented, whereas programs are variable-oriented, the results of SQL statements used in programs are accessed using an SQL cursor.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905156>

### Question 1385

Association tables sometimes connect more than two entities.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905043>

### Question 1386

The result of an SELECT operation can contain duplicate rows.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904515>

### Question 1387

Explain the process of using optimistic locking.

Answer: <https://biology-forums.com/index.php?topic=1905439>

### Question 1388

The SQL built-in function MOST obtains the largest value in a numeric column.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904536>

### Question 1389

MySQL indexes can be created by using \_\_\_\_\_.

- the MySQL Table Editor
- the MySQL Index Editor
- an SQL statement
- Both the MySQL Table Editor and an SQL statement are correct

Answer: <https://biology-forums.com/index.php?topic=1905788>

### Question 1390

Which of the following statements is not true for an enterprise-class database system?

- The database application(s) interact(s) with the DBMS.
- The database application(s) directly access(es) the database data.
- The DBMS accesses the database data.
- The application generates SQL statements.

Answer: <https://biology-forums.com/index.php?topic=1904460>

### Question 1391

An ADO.NET Data Provider is a(n) \_\_\_\_\_ that provides ADO.NET services.

- class library
- windows application
- Web application
- XML service

Answer: <https://biology-forums.com/index.php?topic=1905975>

### Question 1392

SQL Server AFTER triggers may be assigned to either tables or views.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905476>

### Question 1393

Read-only databases often use several copies of a set of the same data, where each copy is modified for a specific use.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904803>

### Question 1394

The SQL keyword WHERE is used to specify the table(s) that contain(s) the data to be retrieved.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904507>

### Question 1395

When viewing a table in the GUI tools table design window in SQL Server, the primary key is indicated by a black arrow.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905458>

### Question 1396

The American National Standards Institute (ANSI) maintains the standards for SQL.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904500>

### Question 1397

The Oracle database PL/SQL statement used to test for a condition and then direct when blocks of code should be run depending on the outcome of the test is \_\_\_\_\_.

- DECLARE
- BEGIN
- IF...THEN...ELSE...END IF
- LOOP

Answer: <https://biology-forums.com/index.php?topic=1905693>

### Question 1398

What type of JDBC driver is known as a JDBC-ODBC bridge?

- Type 1 driver
- Type 2 driver
- Type 3 driver
- Type 4 driver

Answer: <https://biology-forums.com/index.php?topic=1905979>

### Question 1399

Because SQL stored procedures allow and encourage code sharing among developers, stored procedures give database application developers the advantages of less work, standardized processing, and specialization among developers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905173>

### Question 1400

Oracle Database triggers BEFORE and AFTER are placed on tables, while the INSTEAD OF trigger is placed on views.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905653>

### Question 1401

Which of the following is not true of recursive relationships?

- When the recursive relationship is M:N, an intersection table is created.
- The rows of a single table can play two different roles.
- Recursive relationships can be 1:1, 1:N, or M:N relationships.
- When the relationship is 1:N, a new table must be defined to represent the relationship.

Answer: <https://biology-forums.com/index.php?topic=1905087>

### Question 1402

MySQL concurrency options include four transaction isolation levels: READ UNCOMMITTED, READ COMMITTED, REPEATABLE READ, and SERIALIZABLE.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905759>

### Question 1403

Database objects are displayed in the Object Explorer window in the MySQL Workbench.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905732>

### Question 1404

Once processing rights have been defined, they may be implemented at any of these levels except \_\_\_\_\_.

- network
- operating system
- data
- application

Answer: <https://biology-forums.com/index.php?topic=1905423>

### Question 1405

Microsoft Access database objects are displayed in the Browser Pane.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906102>

### Question 1406

Which of the following is an SQL trigger Microsoft SQL Server supports?

- BEFORE
- INSTEAD OF
- AFTER
- Both INSTEAD OF and AFTER are correct

Answer: <https://biology-forums.com/index.php?topic=1905203>

### Question 1407

With pessimistic locking, the assumption is made that a conflict will occur.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905369>

### Question 1408

In a relational database design, all relationships are expressed by \_\_\_\_\_.

- creating a primary key
- creating a foreign key
- creating a supertype
- creating a subtype

Answer: <https://biology-forums.com/index.php?topic=1905074>

### Question 1409

Surrogate keys are normally not shown on forms or reports.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904697>

### Question 1410

In Oracle Database recovery facilities, OnLine ReDo files are maintained on disk and contain the rollback segments from recent database changes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905668>

### Question 1411

Undesirable consequences of changing the data in a relation are called modification anomalies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904703>

### Question 1412

Each of the following is an example of a cloud computing platform except \_\_\_\_\_.

- SQL Server 2017 Express
- Amazon Web Services
- Google Business Solutions
- Windows Azure

Answer: <https://biology-forums.com/index.php?topic=1906087>

### Question 1413

Extended E-R model weak, but non-ID-dependent relationships are called nonidentifying connection relationships in IDEF1X.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906148>

### Question 1414

If the Web server and DBMS are running on the same server, the system has a three-tier architecture.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905892>

### Question 1415

When one SQL query is embedded in another SQL query to simulate a join, the second SQL query is embedded in the \_\_\_\_\_ of the first query.

- SELECT
- FROM
- WHERE
- HAVING

Answer: <https://biology-forums.com/index.php?topic=1904590>

### Question 1416

Explain the SQL Server IDENTITY constraint.

Answer: <https://biology-forums.com/index.php?topic=1905539>

### Question 1417

The last step in creating a table is to verify table normalization.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905020>

### Question 1418

A null value in a column may indicate that there is no appropriate value for that attribute.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904814>

### Question 1419

An entity class is described by the structure of the entities in that class.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904903>

### Question 1420

With Oracle Database, using a sequence does not guarantee valid surrogate key values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905630>

### Question 1421

Group attributes are composites of other attributes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906224>

### Question 1422

To format a PivotTable in Microsoft Excel 2016, we use the \_\_\_\_\_.

- Design command tab in the PivotTable Tools contextual command tab
- Format command tab in the PivotTable Tools contextual command tab
- Design command tab in the Report Tools contextual command tab
- Format command tab in the Report Tools contextual command tab

Answer: <https://biology-forums.com/index.php?topic=1906079>

### Question 1423

When an entity has a relationship to itself, we have a(n) \_\_\_\_\_.

- supertype/subtype relationship
- archetype/instance relationship
- recursive relationship
- Both supertype/subtype relationship and archetype/instance relationship are correct

Answer: <https://biology-forums.com/index.php?topic=1904990>

### Question 1424

Question 1. For a workstation running the Windows operating system, all the necessary user file system permissions to the Web page area are already granted.

- true
- false

Question 2. For a workstation running the Windows operating system, the user file system permissions Modify and Write must be granted to the Users group at the wwwroot folder.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906344>

### Question 1425

An entity that represents something that can exist on its own is called a strong entity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904934>

### Question 1426

When creating a relational database design from E-R diagrams, first create a relation for each relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905004>

### Question 1427

Explain the MySQL cursor statements.

Answer: <https://biology-forums.com/index.php?topic=1905821>

### Question 1428

An attribute that determines which subtype should be used is a(n) \_\_\_\_\_.

- supertype
- subtype
- discriminator
- identifier

Answer: <https://biology-forums.com/index.php?topic=1904982>

### Question 1429

Reprocessing is normally the most convenient method for recovery after a system failure.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905391>

### Question 1430

When dropping a nonkey column from a table, which of the following steps is (are) included in the process? (The order of the steps listed below is not relevant, only the steps themselves.)

- Drop any column constraints from the table
- Drop the column from the table
- Drop any foreign keys constraints based on the column
- Both Drop any column constraints from the table and Drop the column from the table are correct

Answer: <https://biology-forums.com/index.php?topic=1905309>

### Question 1431

Which of the following set of MySQL authorizations can be specifically assigned to a user account?

- Administrative roles
- Schema privileges
- Root user equivalence
- Both Administrative roles and Schema privileges are correct

Answer: <https://biology-forums.com/index.php?topic=1905809>

### Question 1432

The column(s) that is/are the primary key in an SQL table are indicated by \_\_\_\_\_ when viewed graphically in Enterprise Manager.

- the black arrow symbol
- the outline arrow symbol
- the key symbol
- being underlined

Answer: <https://biology-forums.com/index.php?topic=1905506>

### Question 1433

When using Microsoft Visio 2016, how do we create a blank diagram for use with a data model?

Answer: <https://biology-forums.com/index.php?topic=1906199>

### Question 1434

When using a doubly nested set of NOT EXISTS SELECT statements, a row that does not match any row matches every row.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905250>

### Question 1435

In database systems, the DBMS enforces rules about which user can perform which action when. The rules are known as \_\_\_\_\_.

- referential integrity constraints
- data modification control
- data reading control
- concurrency control

Answer: <https://biology-forums.com/index.php?topic=1904465>

### Question 1436

A relation is in 3NF if and only if it is in 2NF, and there are no non-key attributes determined by another non-key attribute.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904709>



### Question 1437

Any table that meets the definition of a relation is in 2NF.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904707>

### Question 1438

One of the properties of all collections is Count, which is the number of objects in the collection.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905908>

### Question 1439

Modern microcomputer personal DBMS products \_\_\_\_\_.

- are supplied by several well-established manufacturers
- were essentially made obsolete by Microsoft Access
- have poor response time
- are not true DBMS products

Answer: <https://biology-forums.com/index.php?topic=1904481>

### Question 1440

An ID-dependent table can be used to represent multivalued attributes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905044>

### Question 1441

In RFM analysis, M stands for "how much money."

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906028>

### Question 1442

In general, the best type of ODBC data source to define for a Web application, is a system data source.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905902>

### Question 1443

Distinguish between the HAVING and WHERE clause.

Answer: <https://biology-forums.com/index.php?topic=1904608>

### Question 1444

Explain how to create a relationship in Microsoft Access. Include an example.

Answer: <https://biology-forums.com/index.php?topic=1906123>

### Question 1445

Locks that are placed assuming that a conflict will occur are called \_\_\_\_\_.

- explicit locks
- implicit locks
- optimistic locks
- pessimistic locks

Answer: <https://biology-forums.com/index.php?topic=1905415>

### Question 1446

The MySQL keyword to close and exit a cursor is \_\_\_\_\_.

- DECLARE CURSOR {CursorName}
- OPEN {CursorName}
- FINISH {CursorName}
- CLOSE {CursorName}

Answer: <https://biology-forums.com/index.php?topic=1905800>

### Question 1447

Once an ADO.NET dataset is constructed, its contents can be formatted as an XML document with a single command.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905920>

### Question 1448

Which of the following is the most restrictive transaction isolation level option supported by SQL Server?

- Repeatable Read
- Read Committed
- Serializable
- Read Uncommitted

Answer: <https://biology-forums.com/index.php?topic=1905527>

### Question 1449

Which of the following is the default transaction isolation level for SQL Server?

- Repeatable Read
- Read Committed
- Serializable
- Read Uncommitted

Answer: <https://biology-forums.com/index.php?topic=1905526>

### Question 1450

MySQL concurrency options include four scopes for the transaction isolation level: GLOBAL, LOCAL, SESSION and TRANSACTION.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905761>

### Question 1451

To run an SQL script, click the "Execute SQL Script (or selected portion)" button on the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905739>

### Question 1452

Repeatable Read isolation is the most restrictive level of isolation.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905377>

### Question 1453

Outer joins can be either up joins or down joins.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904557>

### Question 1454

Question 1. Hash indexes provide performance enhancements for range searches.

- true
- false

Question 2. The main mechanism for data distribution in ArangoDB is called shading.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906396>

### Question 1455

Candidate keys are called interlocking candidate keys when they share one or more attributes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904712>

### Question 1456

In an enterprise-class database system, a database application accesses the database data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904382>

### Question 1457

In an SQL query, which built-in function is used to obtain the largest value of numeric columns?

- AVG
- COUNT
- MAX
- MIN

Answer: <https://biology-forums.com/index.php?topic=1904578>

### Question 1458

Which of the following does not describe a user-defined function?

- It computes a numeric value
- It can be called by name from within an SQL statement
- It may have input parameters passed to it
- It returns an output value to the calling statement

Answer: <https://biology-forums.com/index.php?topic=1905215>

### Question 1459

An entity's minimum cardinality in a relationship indicates whether or not an entity must participate in the relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904932>

### Question 1460

If T3 is a table with three columns C1, C2, and C3, where C1 is integer data, C2 is character data, and C3 is date data, which of the following would be the proper statement to have Oracle Database enter the date 02/10/03 into a row in table T3 while making sure that it is formatted correctly as shown?

- SET INTO T3 VALUES (101, 'Smith', '02/10/13');
- SET INTO T3 VALUES (101, 'Smith', TO\_DATE ('02/10/13', 'DD/MM/YY'));
- INSERT INTO T3 VALUES (101, 'Smith', '02/10/2013');
- INSERT INTO T3 VALUES (101, 'Smith', TO\_DATE ('02/10/13', 'DD/MM/YY'));

Answer: <https://biology-forums.com/index.php?topic=1905680>

### Question 1461

A MySQL data backup is accomplished by using the "Data Export" feature.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905774>

### Question 1462

Reviewing the work done on a table that was created using existing data from multiple sources, you find that a column named Remarks has been included, and it is populated with inconsistent and verbose verbal data. This is an example of \_\_\_\_\_.

- the multivalued, multicolumn problem
- the inconsistent values problem
- the missing values problem
- the general-purpose remarks column problem

Answer: <https://biology-forums.com/index.php?topic=1904852>

### Question 1463

SQL Server built-in system function names start with the @@ symbol.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905481>

### Question 1464

In Oracle Database, triggers that are fired once for each row that is changed in a table are called row triggers.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905654>

### Question 1465

An identifier of an entity instance must consist of one and only one attribute.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904910>

### Question 1466

To count the number of rows in a table, use the SQL construct \_\_\_\_\_.

- SELECT \*
- SELECT TOP n \*
- SELECT COUNT(TOP n)
- SELECT COUNT(\*)

Answer: <https://biology-forums.com/index.php?topic=1904827>

### Question 1467

Question 1.Explain why semantic object attributes are called paired attributes.

Question 2.Explain the concept of semantic objects as being a sufficient description.

Answer: <https://biology-forums.com/index.php?topic=1906258>

### Question 1468

Briefly define the three problems that can occur because of concurrent processing that are addressed by resource locking.

Answer: <https://biology-forums.com/index.php?topic=1905437>

### Question 1469

When representing a 1:1 relationship in a relational database design, \_\_\_\_\_.

- the key of each table must be placed as foreign keys into the other
- the key of either table may be placed as a foreign key into the other
- the key of both tables must be the same
- the intersection table gets the key from both relations

Answer: <https://biology-forums.com/index.php?topic=1905075>

### Question 1470

What is the MySQL Table Editor?

Answer: <https://biology-forums.com/index.php?topic=1905818>

### Question 1471

A database designed using spreadsheets from the Sales department is a database being designed \_\_\_\_\_.

- from existing data

- as a new systems development project
- as a redesign of an existing database
- as a NoSQL database

Answer: <https://biology-forums.com/index.php?topic=1904471>

### Question 1472

When creating a table for an ID-dependent entity, both the key of the parent and the key of the entity itself must appear in the table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905046>

### Question 1473

Facebook uses the Apache Software Foundation's Cassandra NoSQL database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906040>

### Question 1474

When examining data values as a part of assessing table structure, there is no need to determine foreign keys.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904778>

### Question 1475

When making any change to the database structure, we may need to check for effects of the change on any of the following except \_\_\_\_\_.

- data
- foreign keys
- ad-hoc SQL queries
- triggers

Answer: <https://biology-forums.com/index.php?topic=1905305>

### Question 1476

Briefly define the four isolation levels and the problems they prevent.

Answer: <https://biology-forums.com/index.php?topic=1905438>

### Question 1477

Discuss the Microsoft PowerShell utility.

Answer: <https://biology-forums.com/index.php?topic=1905536>

### Question 1478

Question 1. Complex networks can be represented by reducing them to simple networks, and then representing the simple networks using \_\_\_\_\_.

- indexes or linked lists
- linked lists or sequential lists
- sequential lists or indexes
- trees

Question 2. Complex networks can be represented by reducing them to simple networks, which requires the introduction of a(n) \_\_\_\_\_.

- association record
- link record
- intersection record
- sequential record

Answer: <https://biology-forums.com/index.php?topic=1906335>

### Question 1479

The SQL Server statement SELECT ...FOR XML RAW tells SQL Server to place the data values from the columns in the table into XML elements.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905948>

### Question 1480

In Oracle Database recovery facilities, control files are small files that describe the name, contents, and locations of various files used by Oracle Database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905667>

### Question 1481

Explain the representation of a one-to-many strong entity relationship in a relational database design.

Answer: <https://biology-forums.com/index.php?topic=1905099>

### Question 1482

Which method returns the next value in a sequence?

- CountVal
- Next
- UpVal
- NextVal

Answer: <https://biology-forums.com/index.php?topic=1905679>

### Question 1483

All identifying relationships are 1:N.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905045>

### Question 1484

Explain the process by which JSP pages are compiled.

Answer: <https://biology-forums.com/index.php?topic=1906006>

### Question 1485

What are SQL triggers and how are they used?

Answer: <https://biology-forums.com/index.php?topic=1905225>

### Question 1486

Supertype/subtype entities are said to have a(n) \_\_\_\_\_ relationship.

- HAS-A
- IS-A
- recursive
- redundant

Answer: <https://biology-forums.com/index.php?topic=1904984>

### Question 1487

Which type of index in SQL Server is faster for data retrieval?

- Clustered
- Nonclustered
- Baseline
- There is no advantage to any particular index for data retrieval, only for data updating.

Answer: <https://biology-forums.com/index.php?topic=1905514>

### Question 1488

Question 1. The main mechanism for data distribution in ArangoDB is called \_\_\_\_\_.

- shading
- shifting
- sharding
- sharing

Question 2.Explain what a document database is designed to provide.

Answer: <https://biology-forums.com/index.php?topic=1906402>

### Question 1489

Which of the following is not true about XML?

- It is a subset of SGML.
- Additional standards and capabilities have been added to XML processing.
- It is a hybrid of document processing and database processing.
- It is a subset of HTML.

Answer: <https://biology-forums.com/index.php?topic=1905996>

### Question 1490

Entities of a given type are grouped into entity classes.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904902>

### Question 1491

What is meant by the degree of a relationship?

Answer: <https://biology-forums.com/index.php?topic=1904995>

### Question 1492

To create an OLAP report for an SQL Server 2017 database, we can build a PivotTable in \_\_\_\_\_.

- Microsoft Access 2016
- Microsoft Word 2016
- Microsoft Visio 2016
- Microsoft Excel 2016

Answer: <https://biology-forums.com/index.php?topic=1906055>

### Question 1493

You are creating a BOAT table using existing data from multiple sources, and you find that you have "power boat blue", "boat, power, blue" and "blue power boat" as data values for the same column. This is an example of the inconsistent values problem.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904811>

### Question 1494

The SQL query data results are displayed \_\_\_\_\_.

- in the Navigator window
- in a tabbed Result Grid
- in a Messages window
- in a tabbed Action Output window

Answer: <https://biology-forums.com/index.php?topic=1905787>

### Question 1495

The MySQL Installer for Linux can be used to install the MySQL Workbench.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906206>

### Question 1496

Question 1.Arrays allow for an ordering of \_\_\_\_\_.

- columns
- elements
- rows
- both columns and elements

Question 2.Which of the following is an incorrect statement.

- ArangoDB does not allow the user to create additional secondary indexes on any field.
- In ArangoDB, every collection has a `_key` field, which is the primary key.
- Hash indexes do not provide any performance enhancements.
- A skiplist index is designed to perform similarly to a B-tree.

Answer: <https://biology-forums.com/index.php?topic=1906401>

### Question 1497

To add a NULL column to a table, we simply use the MODIFY TABLE statement.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905267>

### Question 1498

According to the text, IBM's DB2 is the DBMS with the most power and features.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904385>

### Question 1499

MySQL is an open source DBMS that only runs on Unix and Linux operating systems.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905721>

### Question 1500

The presence of one or more foreign keys in a relation means that we cannot eliminate duplicated data in that table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904783>

### Question 1501

A referential integrity constraint is used to make sure the values of a foreign key match a valid value of a primary key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904699>

### Question 1502

A line-item pattern must involve what kind of entity?

- Strong entity
- Supertype entity
- Weak entity with one identifying relationship
- Weak entity with two identifying relationships

Answer: <https://biology-forums.com/index.php?topic=1904988>

### Question 1503

The following database will be used in this question:

GENERAL SALES DATABASE:

SALESREP

SalesRepNoRepNameHireDate654Jones01/02/2005734Smith02/03/2007345Chen01/25/2018434Johnson11/23/2004

CUSTOMER

CustNoCustNameBalanceSalesRepNo9870Winston5003458590Gonzales3504347840Harris8006544870Miles100345

Explain the use of the GROUP BY keyword. Include an example based on the CUSTOMER table from the General Sales database.

Answer: <https://biology-forums.com/index.php?topic=1904604>

### Question 1504

The PL/SQL keyword DECLARE is used to begin the basic PL/SQL block structure.

- true



- false

Answer: <https://biology-forums.com/index.php?topic=1905642>

### Question 1505

The SQL Server statement

```
SELECT *  
FROM Table01  
FOR XML RAW
```

tells SQL Server to place the data values from the columns in the table into XML \_\_\_\_\_.

- elements
- attributes
- elements or attributes, as chosen by SQL Server
- elements or attributes, as designated by the XML Schema

Answer: <https://biology-forums.com/index.php?topic=1905998>

### Question 1506

When the parent entity is required (M) in a relationship, every row of the child table must have a valid, non-null value of the foreign key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905059>

### Question 1507

Discriminator attributes can be represented in relational designs.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905052>

### Question 1508

The Microsoft Access window Close button is actually a close-and-exit button.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906103>

### Question 1509

Which of the following is true about ODBC?

- ODBC has experienced little practical success.
- ODBC requires developers to have a thorough knowledge of many DBMS native libraries.
- ODBC can be used to access data from spreadsheets.
- ODBC has an object-oriented interface.

Answer: <https://biology-forums.com/index.php?topic=1905950>

### Question 1510

In OLAP, the data item of interest is called a \_\_\_\_\_.

- level
- dimension
- measure
- member

Answer: <https://biology-forums.com/index.php?topic=1906052>

### Question 1511

A circle across the relationship line near an entity indicates \_\_\_\_\_.

- a maximum cardinality of "zero"
- a maximum cardinality of "one"
- a minimum cardinality of "optional"
- a minimum cardinality of "required"

Answer: <https://biology-forums.com/index.php?topic=1904974>

### Question 1512

The problem with a general-purpose remarks column is that the data it contains are likely to be verbal, inconsistent, and stored in a verbose manner.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904820>

### Question 1513

A standby data repository is one which requires a person to generate the metadata and place it in the repository.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905398>

### Question 1514

What is the MySQL Workbench?

Answer: <https://biology-forums.com/index.php?topic=1905816>

### Question 1515

Which of the following is not a transaction isolation level supported by Oracle Database?

- Read Committed
- Serializable
- Repeatable Read
- Read Only

Answer: <https://biology-forums.com/index.php?topic=1905704>

### Question 1516

Which of the following can only interact with relational database and table-like data structures?

- OLE DB
- ODBC
- ASP
- ADO

Answer: <https://biology-forums.com/index.php?topic=1905949>

### Question 1517

In an SQL query, which SQL keyword is used to specify the table(s) to be used?

- EXISTS
- FROM
- SELECT
- WHERE

Answer: <https://biology-forums.com/index.php?topic=1904565>

### Question 1518

During the data import process in Oracle, if some of the spreadsheet cells in a column of the source data are empty, \_\_\_\_\_.

- you must put some data in them before importing
- you must not specify this column as a foreign key later
- you must ensure the data type for this column is numeric
- you must check the "Nullable" box in the wizard

Answer: <https://biology-forums.com/index.php?topic=1905688>

### Question 1519

Data warehouse data are frequently denormalized.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906019>

### Question 1520

All weak entities must have a minimum cardinality of 1 on the entity on which it depends.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904940>

### Question 1521

What are the four sets of minimum cardinalities that can be present in a 1:N binary relationship?

Answer: <https://biology-forums.com/index.php?topic=1905104>

### Question 1522

When examining data values as a part of assessing table structure, determine functional dependencies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904774>

### Question 1523

In an SQL query, which of the following symbols is used by ANSI SQL to represent all the columns in a single table?

- \_ (underscore)
- ? (question mark)
- \* (asterisk)
- % (percent)

Answer: <https://biology-forums.com/index.php?topic=1904567>

### Question 1524

In IDEF1X, extended E-R model supertype entities are called \_\_\_\_\_.

- generic entities
- category entities
- nonspecific entities
- category clusters

Answer: <https://biology-forums.com/index.php?topic=1906163>

### Question 1525

The SQL command used to create a virtual table is \_\_\_\_\_.

- CREATE VTABLE
- CREATE VIEW
- VTABLE
- VIEW

Answer: <https://biology-forums.com/index.php?topic=1905190>

### Question 1526

Regarding the interchangeability of subqueries and joins, \_\_\_\_\_.

- a join can always be used as an alternative to a subquery, and a subquery can always be used as an alternative to a join
- a join can sometimes be used as an alternative to a subquery, and a subquery can sometimes be used as an alternative to a join
- a join can always be used as an alternative to a subquery, and a subquery can sometimes be used as an alternative to a join
- a join can sometimes be used as an alternative to a subquery, and a subquery can always be used as an alternative to a join

Answer: <https://biology-forums.com/index.php?topic=1904594>

### Question 1527

Which of the following is not a component of a computer-based information system?

- Hardware
- Software
- The inventory in the warehouse
- Data

Answer: <https://biology-forums.com/index.php?topic=1906132>

### Question 1528

In a 1:N relationship, the term parent refers to the table on the "many" side of the relationship.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905028>

### Question 1529

Microsoft Access may use which of the following DBMS engines?

- ADE
- SQL Server
- Oracle
- Both ADE and SQL Server are correct

Answer: <https://biology-forums.com/index.php?topic=1904458>

### Question 1530

The Oracle Database GUI tool used for application development is the Oracle SQL Developer.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905623>

### Question 1531

A data constraint is a limitation on data values.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905019>

### Question 1532

In general, for Web applications it is best to create what type of data source on the Web server?

- File
- User
- Shared
- System

Answer: <https://biology-forums.com/index.php?topic=1905963>

### Question 1533

The situation that occurs when two users are each waiting for a resource that the other person has locked is known as a(n) \_\_\_\_\_.

- lost update problem
- deadlock
- inconsistent read problem
- checkpoint

Answer: <https://biology-forums.com/index.php?topic=1905413>

### Question 1534

Which transaction isolation level scope(s) is (are) available in MySQL?

- LOCAL
- SESSION
- TRANSACTION
- Both SESSION and TRANSACTION are correct

Answer: <https://biology-forums.com/index.php?topic=1905807>

### Question 1535

The PRIMARY KEY keyword is used to designate the column(s) that are the primary key for the table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905125>

### Question 1536

How does Michael Porter define support business activities? What do they include?

Answer: <https://biology-forums.com/index.php?topic=1906143>

### Question 1537

In an SQL query, which SQL keyword is used to determine if a column value is equal to any one of a set of values?

- AND
- EXISTS
- OR
- IN

Answer: <https://biology-forums.com/index.php?topic=1904570>

### Question 1538

What is meant by the cardinality of a relationship?

Answer: <https://biology-forums.com/index.php?topic=1904996>

### Question 1539

In functional dependencies, the attribute whose value is known or given is referred to as the determinant.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904677>

### Question 1540

To represent a one-to-many relationship in a relational database design, \_\_\_\_\_.

- the key of the child is placed as a foreign key into the parent
- the key of the parent is placed as a foreign key into the child
- an intersection table must be created
- the key of the table on the "many" side is placed in the table on the "one" side

Answer: <https://biology-forums.com/index.php?topic=1905076>

### Question 1541

A key consisting of one or more columns that is a primary key in another relation is a \_\_\_\_\_.

- composite key
- candidate key
- foreign key
- surrogate key

Answer: <https://biology-forums.com/index.php?topic=1904741>

### Question 1542

ODBC stands for Open Database Connectivity.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905889>

### Question 1543

When running an SQL query that uses EXISTS, the EXISTS keyword will be true if \_\_\_\_\_.

- any row in the subquery meets the condition
- all rows in the subquery meet the condition
- no row in the subquery meets the condition
- any row in the subquery fails to meet the condition

Answer: <https://biology-forums.com/index.php?topic=1905293>

### Question 1544

If the table ITEM has a column WEIGHT, and WEIGHT has the data type Numeric (4,2), the value 4321 will be displayed as 43.21.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905131>

### Question 1545

A transaction is a group of alternative database actions, from which the database can choose to perform only one of them.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905353>

### Question 1546

Database redesign is fairly easy when \_\_\_\_\_.

- information systems and organizations influence each other
- the design was done correctly the first time
- there is no data in the database
- good backups of the database are available

Answer: <https://biology-forums.com/index.php?topic=1905282>

### Question 1547

SQL views are updatable when the view is based on a single table with no computed columns, and all non-null columns are present in the view.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905153>

### Question 1548

INSTEAD OF triggers are placed on views.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905655>

### Question 1549

A data warehouse is a database system that has data, programs, and personnel specialized in Business Intelligence (BI) processing.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906017>

### Question 1550

In an SQL query, which of the following symbols is used by Microsoft Access to represent a single unspecified character?

- \_ (underscore)
- ? (question mark)
- \* (asterisk)
- % (percent)

Answer: <https://biology-forums.com/index.php?topic=1904572>

### Question 1551

During the database redesign process, you discover that when you try to change a DEPARTMENT name (the department's primary key), the change is disallowed by the DBMS due to your design of the EMPLOYEE table (which has a foreign key referencing DEPARTMENT) You want the change to be allowed. To fix this, you use what SQL syntax?

- ON UPDATE CASCADE
- ON DELETE CASCADE
- ADD CONSTRAINT
- FOREIGN KEY

Answer: <https://biology-forums.com/index.php?topic=1905320>

### Question 1552

Oracle requires the use of Java for generating XML documents from database data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905945>

### Question 1553

This database component is used to maintain database accuracy and enforce data constraints.

- tables
- metadata
- triggers
- stored procedures

Answer: <https://biology-forums.com/index.php?topic=1904469>

### Question 1554

Question 1. The metadata maintained by a reporting system database describes all of the following except \_\_\_\_\_.

- triggers
- users
- groups
- reports

Question 2. The reports generated by a reporting system can be classified as any of the following except \_\_\_\_\_.

- static
- dynamic
- fluid
- push

Answer: <https://biology-forums.com/index.php?topic=1906373>

### Question 1555

The Oracle Database PL/SQL statement used to repeat a set of PL/SQL statements if some condition is true is \_\_\_\_\_.

- DECLARE
- BEGIN
- IF...ELSE...END IF
- LOOP

Answer: <https://biology-forums.com/index.php?topic=1905694>

### Question 1556

In a three-tier or n-tier architecture, which type of JDBC driver can be used if the DBMS and the Web server are running on the same computer?

- Only Type 1 and Type 2
- All four Types
- Only Type 3 and Type 4
- Only Type 2 and Type 3

Answer: <https://biology-forums.com/index.php?topic=1905989>

### Question 1557

The DBA must find a balance between the conflicting goals of maximizing availability of the database to users and protecting the database.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905345>

### Question 1558

An identifier of an entity instance is one or more attributes that name or identify entity instances.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904906>

### Question 1559

DBMSs associated with the NoSQL movement are often known as \_\_\_\_\_.

- RDBMSs
- OODBMSs
- SSDBMSs
- structured storage

Answer: <https://biology-forums.com/index.php?topic=1906080>

### Question 1560

A combination key is a group of attributes that uniquely identifies a row.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904689>

### Question 1561

The wildcard character "#" indicates a single, unspecified character.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904531>

### Question 1562

Explain the purpose of transaction logs and checkpoints.

Answer: <https://biology-forums.com/index.php?topic=1905443>

### Question 1563

In the database redesign process, it is often useful to test whether certain conditions or assumptions are valid before proceeding with the redesign.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905232>

### Question 1564

A database save is used to mark the end of a transaction.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905387>

### Question 1565

A surrogate key is an artificial column that is added to a relation to be its primary key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904695>

### Question 1566

IDEF1X category clusters may be either complete or incomplete.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906158>

### Question 1567

Data models are created during the component design step of the SDLC.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906129>

### Question 1568

Recursive M:N relationships are represented with an intersection table that shows pairs of related rows from a single table.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905055>

### Question 1569

MySQL uses MySQL NEW transition variables with triggers to access new data inserted into a table row.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905755>



### Question 1570

The MySQL statement to delete a stored procedure already in the database is \_\_\_\_\_.

- CREATE PROCEDURE
- ALTER PROCEDURE
- DROP PROCEDURE
- CLOSE PROCEDURE

Answer: <https://biology-forums.com/index.php?topic=1905804>

### Question 1571

Briefly describe subqueries and joins. Explain when each is not an acceptable alternative for the other.

Answer: <https://biology-forums.com/index.php?topic=1904601>

### Question 1572

When the classes of all entities stored in a database are labeled with the keyword `persist` it means that that data should continue to exist unless the object that processes it is destroyed.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906160>

### Question 1573

The actions that an object can perform are called \_\_\_\_\_.

- procedures
- collections
- methods
- properties

Answer: <https://biology-forums.com/index.php?topic=1905967>

### Question 1574

In Microsoft Visio 2016, which object can be formatted with the line end symbols needed to create IE Crow's Foot notation?

- Relationship connector object
- Category object
- Parent to category connector object
- Category to child connector object

Answer: <https://biology-forums.com/index.php?topic=1906197>

### Question 1575

Only open source products may be used in conjunction with JDBC.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905922>

### Question 1576

There are no good SQL commands that can be used to change table names.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905252>

### Question 1577

Briefly describe the history of database processing.

Answer: <https://biology-forums.com/index.php?topic=1904494>

### Question 1578

Databases are a key component of e-commerce order entry, billing, shipping, and customer support.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904360>

### Question 1579

When examining data values as a part of assessing table structure, determine multivalued dependencies.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904775>

### Question 1580

Question 1. The real power of JSON lies in the definition of "value", which can be \_\_\_\_\_.

- multiple data points
- a simple, single data point
- an array of values
- both a simple, single data point & an array of values

Question 2. In the following sample document data (presented in MongoDB syntax), how many documents are there?

```
{
  _id: "Advisor1",
  name: "Shire, Robert",
  dept: "History",
  yearHired: 1975
}
{
  _id: 555667777,
  name: "Tierney, Doris",
  majors: ["Music", "Spanish"],
  addresses: [
    {
      street: "14510 NE 4th Street",
      city: "Bellevue",
      state: "WA",
      zip: "98005"
    },
    {
      street: "335 Aloha Street",
      city: "Seattle",
      state: "WA",
      zip: "98109"
    }
  ],
  advisorID: "Advisor1"
}
```

- 2
- 4
- 6
- 8

Answer: <https://biology-forums.com/index.php?topic=1906399>

### Question 1581

Question 1. In a document database every record must have the exact same columns.

- true
- false

Question 2. Document databases have a well-developed theory and practice of database design.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906392>

### Question 1582

The multivalued, multicolumn problem is just another form of a multivalued dependency.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1904806>

### Question 1583

An attribute is a non-key attribute when it is a non-prime attribute, which means that the attribute is not contained in any candidate key.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904711>

### Question 1584

Amazon.com's Dynamo was an early example of structured storage.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906041>

### Question 1585

One of the goals of an object-relational database is to allow \_\_\_\_\_ to persist in the database.

- data structures
- objects
- methods
- Java variables

Answer: <https://biology-forums.com/index.php?topic=1906082>

### Question 1586

If you include a slash as the last line in an Oracle stored procedure, the procedure will be compiled and stored when you run the block of code.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905649>

### Question 1587

Question 1. The AQL equivalent of GROUP BY is called COLLECT.

- true
- false

Question 2. In regard to joins, ArangoDB makes it easier than most NoSQL databases by providing the option to use nested loops.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1906395>

### Question 1588

Given a table with the structure: EMPLOYEE (EmpNo, Name, Salary, HireDate), which of the following is not a valid ANSI SQL command?

- SELECT \*  
FROM EMPLOYEE  
WHERE Name LIKE 'Ja%';
- SELECT COUNT(\*)  
FROM EMPLOYEE  
WHERE Salary < 30000;
- SELECT HireDate, COUNT(\*)  
FROM EMPLOYEE  
GROUP BY HireDate;
- SELECT HireDate, COUNT(\*)  
FROM EMPLOYEE  
WHERE Salary < 30000;

Answer: <https://biology-forums.com/index.php?topic=1904585>

### Question 1589

The cardinalities of an attribute operate only between the attribute and the container of the attribute.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1906223>

### Question 1590

Read-only databases seldom use more than one copy of a set of the same data.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1904802>

### Question 1591

Explain the MySQL control-of-flow statements.

Answer: <https://biology-forums.com/index.php?topic=1905820>

### Question 1592

In IDEF1X, a type domain allows \_\_\_\_\_.

- different data types
- different values
- greater specificity of values
- default values

Answer: <https://biology-forums.com/index.php?topic=1906170>

### Question 1593

In the database redesign process, before proceeding with the redesign it is often useful to \_\_\_\_\_.

- check whether certain conditions or assumptions about the data are valid
- find out why the design was not done properly the first time
- stop information systems and users from influencing each other
- set standards for user behavior

Answer: <https://biology-forums.com/index.php?topic=1905284>

### Question 1594

What is an ID-Dependent entity? Include an example.

Answer: <https://biology-forums.com/index.php?topic=1905000>

### Question 1595

How is maximum cardinality expressed in IE Crow's Foot E-R diagrams?

Answer: <https://biology-forums.com/index.php?topic=1904997>

### Question 1596

When changing the minimum cardinality on the parent side of the relationship from zero to one, the foreign key \_\_\_\_\_.

- must be changed from NULL to NOT NULL
- must be changed from NOT NULL to NULL
- must be changed to a composite key
- must be changed to a surrogate key

Answer: <https://biology-forums.com/index.php?topic=1905314>

### Question 1597

The industry standard supported by all major DBMSs that allows tables to be joined together is called \_\_\_\_\_.

- Sequential Query Language (SQL)
- Structured Question Language (SQL)
- Structured Query Language (SQL)
- Standard Question Language (SQL)

Answer: <https://biology-forums.com/index.php?topic=1904455>

### Question 1598

With SQL Server, the preferred way to create database structures is with SQL statements.

- true

- false

Answer: <https://biology-forums.com/index.php?topic=1905450>

### Question 1599

Which SQL keyword is used to impose restrictions on a table, data or relationship?

- SET
- CREATE
- SELECT
- CONSTRAINT

Answer: <https://biology-forums.com/index.php?topic=1905176>

### Question 1600

Java programs are compiled into machine-independent bytecode.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905928>

### Question 1601

A null value is an attribute value that has been set to zero.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905016>

### Question 1602

A very popular development technique used by database professionals for database design is known as \_\_\_\_\_.

- database extraction
- normalization
- data models
- entity-relationship data modeling

Answer: <https://biology-forums.com/index.php?topic=1904477>

### Question 1603

In an SQL Server clustered index, the data are stored in the bottom level of the index and in the same order as the index.

- true
- false

Answer: <https://biology-forums.com/index.php?topic=1905463>

### Question 1604

What is a dependency graph, and what is it used for in database redesign?

Answer: <https://biology-forums.com/index.php?topic=1905326>

### Question 1605

To add a NOT NULL column to a table, we \_\_\_\_\_.

- use the REVISE TABLE command
- use the ALTER TABLE command
- use the MODIFY TABLE command
- create a new NULL column, insert data values into every row, and change the NULL constraint to NOT NULL

Answer: <https://biology-forums.com/index.php?topic=1905308>

### Question 1606

What type of JDBC driver translates JDBC calls into DBMS-independent network protocols?

- Type 1 driver
- Type 2 driver
- Type 3 driver
- Type 4 driver

Answer: <https://biology-forums.com/index.php?topic=1905980>

### Question 1607

Virtualization is an attempt to do a better job of using which hardware resources in a computer?

- Memory and monitors
- CPU and memory
- Operating system
- Database tables

Answer: <https://biology-forums.com/index.php?topic=1906084>

### Question 1608

Explain the concept of a surrogate key.

Answer: <https://biology-forums.com/index.php?topic=1904763>

### Question 1609

Describe the Microsoft Access 2016 Navigation Pane.

Answer: <https://biology-forums.com/index.php?topic=1906121>

### Question 1610

Reviewing the work done on a table that was created using existing data from multiple sources, you are likely to find that some data values that were provided were never entered into the table. This is an example of \_\_\_\_\_.

- the multivalued, multicolumn problem
- the inconsistent values problem
- the missing values problem
- the general-purpose remarks column problem

Answer: <https://biology-forums.com/index.php?topic=1904847>

### Question 1611

Which of the following is true about indexes in SQL Server?

- SQL Server automatically creates indexes for columns appearing in WHERE clauses in queries.
- SQL Server pads all indexes.
- SQL Server supports filling up to a limit of 70 percent.
- SQL Server automatically creates indexes for foreign keys.

Answer: <https://biology-forums.com/index.php?topic=1905511>

### Question 1612

A database is considered self-describing because \_\_\_\_\_.

- all the users' data is in one place
- it reduces data duplication
- it contains a description of its own structure
- it contains a listing of all the programs that use it

Answer: <https://biology-forums.com/index.php?topic=1904466>