1.

Question 1

In an Entity Relationship model, the logical data model should include entities, attributes and relationships between entities.

1 / 1 point

True

False

Correct

Correct! A logical data model establishes the database structure in terms of entities, attributes and relationships.

2.

Question 2

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ data model specifies a very detailed level of the database structure, so it is ready to be deployed in a database server.

1 / 1 point

physical

Correct

Correct! The physical data model represents a detailed database structure that can be used to generate SQL statements and get deployed to a database server.

3.

Question 3

Which of the following are characteristics of the hierarchical model data structure? Select all that apply.

1 / 1 point

Entities represented as tables with one-to-many relationships.

Correct

Correct! The hierarchical data model can have one parent node and may also have one or many child nodes.

Entities represented as tables with many-to-many relationships.

Parent-child data structure.

Correct

Correct! The hierarchical data model has a simple structure based on a parent-child structure.

Object oriented data structure.

4.

Question 4

Which type of data model is created mainly for the purpose of data analytics?

1 / 1 point

The Object-Oriented data model

The dimensional data model

The hierarchical data model

The Entity Relationship data model

Correct

Correct! The dimensional model organizes data for data analytics.

5.

Question 5

True or false: Database normalization aims to solve the insertion, update and deletion anomalies.

1 / 1 point

True

False

Correct

Correct! Normalization reduces data redundancy and provides data consistency by solving data anomalies problems.

6.

Question 6

True or false: MySQL Workbench simplifies database design and data management.

1 / 1 point

True

False

Correct

Correct! MySQL Workbench provides capabilities and features that simplify database design and data management.

7.

Question 7

MySQL Workbench enables you to use the \_\_\_\_\_\_\_\_\_\_\_ engineer method to create an ER diagram from the deployed database schema.

1 / 1 point

reverse

Correct

Correct! MySQL Workbench enables you to use the reverse engineer method to create an ER diagram from the deployed database schema.

8.

Question 8

True or false: MySQL Workbench only allows data migration between various versions of MySQL database management systems.

1 / 1 point

True

False

Correct

Correct! MySQL Workbench allows data migration from various types of relational database management systems, not MySQL versions only.

9.

Question 9

In MySQL Workbench, you can use the \_\_\_\_\_\_\_ engineer method to create your database model in MySQL without having to manually script the schema code.

1 / 1 point

forward

Correct

Correct! The forward engineer method enables you to create a SQL schema and deploy it in the MySQL server.

10.

Question 10

Which of the following tasks can you carry out in MySQL Workbench without manually writing SQL statements?

1 / 1 point

Grant and revoke user privileges.

Correct

Correct! In MySQL Workbench, you can grant and revoke user privileges to manage the database schemas.

Create and drop database schema.

Correct

Correct! In MySQL Workbench, you can create and drop database schema without manually writing SQL statements.

Create and drop tables.

Correct

Correct! In MySQL Workbench, you can create and drop tables without manually writing SQL statements.

Insert, delete and update data.

Correct

Correct! In MySQL Workbench, you can insert, delete and update data in tables without manually writing SQL statements.