1.

Question 1

True or false: Developing a well-structured Entity Relationship data model that conforms with the three fundamental normal forms ensures your database retains its integrity by avoiding the Insertion, Update and Delete anomalies.

1 / 1 point

True

False

Correct

Correct! Applying the three fundamental normal forms ensures the integrity of your database by avoiding the Insertion, Update and Delete anomalies.

2.

Question 2

Python is a programming language that comes with many features. Select all that apply.

1 / 1 point

Python is supported by Oracle through the driver mysql-connector-python.

Correct

Correct! The Oracle driver mysql-connector-python facilitates interaction with the MySQL database.

Python is dynamically typed and has many built-in features.

Correct

Correct! Python is a dynamically typed language that comes with built-in features to simplify the process of coding.

Python is a high-level general-purpose language.

Correct

Correct! Python is a high-level programming language that was built with readability in mind.

Python can be used in database applications.

Correct

Correct! Python works well with different types of database applications.

3.

Question 3

A \_\_\_\_\_\_\_ in a relational database links records of data between one or multiple tables based on a common column between them.

1 / 1 point

join

Correct

Correct! A join in a relational database links records of data between one or multiple tables based on a common column between them.

4.

Question 4

True or false. The logical data model specifies a detailed level of the database structure including constraints and data types.

1 / 1 point

False

True

Correct

Correct! The physical data model (not the logical model) introduces a very detailed level of the database structure to deploy it directly in the database system.

5.

Question 5

\_\_\_\_\_\_\_ is a popular distributed version control system. It's free and open-source software designed to manage all source code history.

1 / 1 point

Git

Correct

Correct! Git is a popular distributed version control system. It's free and open-source software designed to manage all source code history.