1.

Question 1

Data modelling helps you to understand how data will be stored, accessed, updated and retrieved from the database.

1 / 1 point

True

False

Correct

Correct! Data modeling helps you understand how data is organized and managed in the database.

2.

Question 2

A dimensional data model entity could be summarized using a \_\_\_\_\_\_\_\_\_ of data, which facilitates different levels of data analysis.

1 / 1 point

hierarchy

Correct

Correct! The hierarchy structure of data in the dimensional model facilitates different levels of data analysis.

3.

Question 3

Which of the following options are key characteristics of a data warehouse? Select all that apply.

1 / 1 point

Time variant

Correct

Correct! A key characteristic of a data warehouse is that it’s time variant.

Non-volatile

Correct

Correct! Data in the data warehouse is non-volatile. Once data is loaded there can be no alteration or changes made.

Subject-oriented

Correct

Correct! In a data warehouse, data analysis should be constricted to a particular subject area.

Integrated

Correct

Correct! A data warehouse aggregates data from different variable sources. This data must be integrated before it is analyzed.

4.

Question 4

The data warehouse is designed to work with data from relational database systems only.

1 / 1 point

True

False

Correct

Correct! The data warehouse is designed to work with data from different types of data sources.

5.

Question 5

A Nominal Scale is a quantitative measurement scale that normally deals only with numeric variables.

1 / 1 point

True

False

Correct

Correct! A Nominal Scale is a qualitative measurement scale that normally deals only with non-numeric variables.

6.

Question 6

Data marts are subject-oriented databases that meet the demands of a specific group of users.

1 / 1 point

True

False

Correct

Correct! Data marts are subject-oriented databases that meet the demands of a specific group of users.

7.

Question 7

MySQL Workbench is a unified visual tool developed by Oracle for database modeling and management.

1 / 1 point

True

False

Correct

Correct! Oracle has developed MySQL Workbench as a unified visual tool for developers to create data models and manage data efficiently.

8.

Question 8

In data analytics, dimension fields typically hold categorical qualitative types of data.

1 / 1 point

True

False

Correct

Correct! Dimension fields typically hold categorical qualitative types of data.

9.

Question 9

\_\_\_\_\_\_\_\_\_\_\_\_\_ data analysis explores data to provide a better understanding of data set variables and the relationships between them.

1 / 1 point

Exploratory

Correct

Correct! Exploratory data analysis explores data set variables to provide a better understanding of these variables and the relationships between them.

10.

Question 10

Which of the following concepts are specifically used in the dimensional data model? Select all that apply.

1 / 1 point

Facts

Correct

Correct! The facts represent the measures used in the dimensional data model.

Dimensions

Correct

Correct! The dimensions represent the context for the measures in the dimensional data model.

Entities

Objects