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QUESTION 1

Which of the following is an example of a data-mining ETL tool?

- A. SSIS
- B. Stata
- C. SPSS
- D. Cognos

Correct Answer: A

Explanation: A data-mining ETL tool is a software application that performs extract, transform, and load (ETL) operations on data for data mining purposes. Data mining is the process of discovering patterns, trends, and insights from large and complex data sets. ETL tools help to prepare the data for analysis by extracting data from various sources, transforming data into a consistent and suitable format, and loading data into a data warehouse or other destination. SSIS (SQL Server Integration Services) is an example of a data-mining ETL tool that is part of Microsoft SQL Server. SSIS provides graphical tools and wizards for building and debugging ETL packages that can work with various data sources and destinations. Therefore, the correct answer is A. References: [Data Mining - SQL Server Integration Services (SSIS) | Microsoft Docs], [What Is Data Mining? | Oracle]

QUESTION 2

Which of the following is the BEST reason to use database views instead of tables?

- A. Views reduce the need for repetitive, complex data joins.
- B. Views allow for the storage of temporary data. whereas tables do not.
- C. Views allow for the joining of multiple data sources, whereas tables do not.
- D. Views can be used to restrict sensitive information.

Correct Answer: A

Explanation: Views are virtual tables that are created by querying one or more base tables or other views. Views do not store any data, but only show the result of a query. One of the main advantages of using views is that they can reduce the need for repetitive, complex data joins. For example, if a query involves joining multiple tables with many conditions, creating a view can simplify the query and make it easier to reuse. Therefore, the correct answer is A. References: [What is a Database View? | Definition and Examples - Vertabelo], [Database Views - GeeksforGeeks]

QUESTION 3

The current date is July 14, 2020. A data analyst has been asked to create a report that shows the company's year-over-year Q2 2020 sales. Which of the following reports should the analyst compare?

- A. A Q2 2020 and Q4 2019
- B. YTD 2020 and YTD 2019



C. Q2 2020 and Q2 2019

D. Q2 2020 and Q2 2021

Correct Answer: C

Explanation: To create a report that shows the company's year-over-year Q2 2020 sales, the analyst should compare the sales data from Q2 2020 and Q2 2019. Year-over-year (YoY) analysis is a method of comparing the performance of a business or a financial instrument over the same period in different years. It helps to identify trends, growth patterns, and seasonal fluctuations. Q2 refers to the second quarter of a year, which is usually from April to June. Therefore, the correct answer is C. References: YoY - Year over Year Analysis - Definition, and Examples, What is an Annual Sales Report: Definition, metrics, and tips - Snov.io

QUESTION 4

An analyst is currently working on a ticket for revamping a company-wide dashboard that has been in use for five years. Which of the following should be the first step in the development process?

- A. Talk to the group that made the request to determine the desired goal.
- B. Make changes to a frequently used report that is already in production.
- C. Build an additional dashboard with fewer views that are tailored toward each specific team.
- D. Develop a more streamlined dashboard to roll out by the next delivery date.

Correct Answer: A

Explanation: The first step in the development process of revamping a company-wide dashboard should be to talk to the group that made the request to determine the desired goal. This would help to understand the needs, expectations, and preferences of the stakeholders, as well as the scope, purpose, and objectives of the project. Talking to the group that made the request would also help to establish a clear communication channel, build rapport and trust, and solicit feedback and suggestions.

QUESTION 5

Mario works with a group of R programmers tasked with copying data from an accounting system into a data warehouse.

In what phase are the group's R skills most relevant?

- A. Extract.
- B. Load.
- C. Transform.
- D. Purge.

Correct Answer: C



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