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Enterprise Big Data Engineer (EBDE)
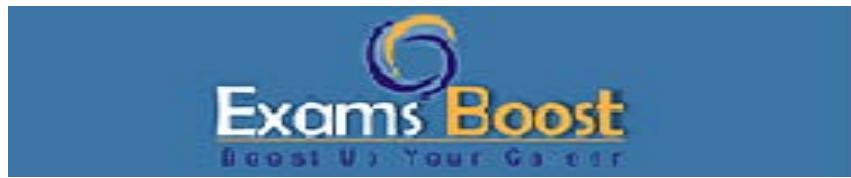
Latest Version: 6.0

Question: 1

Why are NoSQL databases considered highly scalable?
Response:

A. They rely on fixed schemas.
B. They support distributed architectures.
C. They eliminate the need for data replication.
D. They limit data storage to single nodes.

Answer: B

Question: 2

Which architecture prioritizes scalability and accessibility across hybrid environments?
Response:

A. Data Mesh
B. Data Fabric
C. Data Lake
D. Relational Data Warehouse

Answer: B

Question: 3

What distinguishes a snowflake schema from a star schema in data warehousing?
Response:

A. Snowflake schemas have normalized dimensions, while star schemas use denormalized dimensions.
B. Snowflake schemas are more storage-intensive than star schemas.
C. Star schemas support unstructured data, while snowflake schemas do not.
D. Snowflake schemas eliminate the need for fact tables.

Answer: A

Question: 4

What is a critical strategy for fostering a culture of data privacy and security within an organization?
Response:

A. Reducing employee access to all systems
B. Providing regular training and clear policies on data privacy practices
C. Automating all data governance tasks
D. Eliminating redundant compliance processes

Answer: B

Question: 5

How does partitioning improve data pipeline efficiency?
Response:

A. By reducing data duplication
B. By dividing data into smaller, more manageable chunks
C. By eliminating the need for transformation
D. By automating ingestion processes

Answer: B

Question: 6

What stage of the data lifecycle involves integrating and transforming raw data into usable formats?
Response:

A. Data collection
B. Data ingestion
C. Data transformation
D. Data visualization

Answer: C

Question: 7

Which component of a feature store is responsible for serving features to machine learning models?
Response:

A. Transformation
B. Storage

C. Serving
D. Monitoring

Question: 8

In a Data Fabric architecture, what is the main responsibility of the data integration layer?
Response:

A. Managing machine learning workflows
B. Consolidating and transforming data from multiple sources
C. Storing raw, unprocessed data
D. Ensuring schema enforcement

Answer: B

Question: 9

Which type of consistency is suitable for applications requiring real-time updates?
Response:

A. Eventual consistency
B. Strong consistency
C. Weak consistency
D. Latent consistency

Answer: B

Question: 10

How does indexing improve database performance?
Response:

A. By duplicating data across tables
B. By speeding up query retrieval times
C. By reducing table size
D. By automating schema design

Answer: B

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