

# *Dell EMC*

*D-DS-OP-23*

*Dell Technologies Data Scientist and Data Engineering Optimize 2023*

**Questions And Answers PDF Format:**

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*Version = Product*



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# Latest Version: 6.0

## Question: 1

What type of expertise is required to be an effective data engineer?

Response:

- A. Big Data tools
- B. Business analysis
- C. Project management
- D. Accounting

**Answer: A**

## Question: 2

In a relational database, what is a minimal set of attributes to uniquely identify a record in a table?

Response:

- A. Super key
- B. Foreign key
- C. Primary key
- D. Candidate key

**Answer: C**

## Question: 3

You are designing a database for an e-commerce data warehouse. The data is normalized in 1NF format and will be used to create data marts for different departments inside the organization. Which schema type should be used for this requirement?

Response:

- A. Star
- B. Columnar
- C. Highly Normalized
- D. Graph

**Answer: A**

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### Question: 4

The penalty that the EU supervisory authority levies on an organization that fails to comply with the General Data Protection Regulation (GDPR) is the greater of 4% of total global annual turnover or revenue, or a fixed fine amount.

What is the fixed fine amount, in millions of Euros?

Response:

- A. 5
- B. 10
- C. 40
- D. 20

**Answer: D**

### Question: 5

How is replication implemented in Redis?

Response:

- A. Client-server communication protocol is used, whereby every client replicates data from the server
- B. Data is shared among many computers to enable fault tolerance and data accessibility
- C. Meta information is generated based on the client-server communication protocol
- D. The developer copies and pastes the data in multiple databases

**Answer: B**

### Question: 6

Which Cassandra data type represents a collection of key-value pairs, and is represented in curly brackets {, } and colon (:)?

Response:

- A. List
- B. Map
- C. Set
- D. UUID

**Answer: B**

### Question: 7

A company needs to fill an opening for a key tactical data governance position. The new hire is to be a subject matter expert on customer data and ensure the data policies and standards are adhered to on a daily basis. This role bridges the gap between a data governance program and its execution.

What is a suitable job title for this role?

Response:

- A. Data miner
- B. Data scientist
- C. Data steward
- D. Data engineer

**Answer: C**

### Question: 8

In order for a table to be normalized in 4NF, what two conditions must be met?

Response:

- A. Table is in BCNF  
Multi-valued dependencies exist
- B. Table is in 3NF  
No dependencies exist
- C. Table is in 3NF  
No multi-valued dependencies exist
- D. Table is in BCNF  
No multi-valued dependencies exist

**Answer: D**

### Question: 9

An organization has decided to structure their governance model to allow either a single individual or a team to control and maintain the master data.

a. Which governance model is being implemented?

Response:

- A. Distributed
- B. Centralized
- C. Federated
- D. Hybrid

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**Answer: D**

**Question: 10**

Why is it important to control the capabilities of a workload during runtime in Kubernetes?  
Response:

- A. Limit resource usage on a cluster
- B. Apply API authorization on a cluster
- C. Enable management of application secrets
- D. Support data exfiltration from a pod

**Answer: A**

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