> **Vendor: Microsoft**

> **Exam Code: DP-900**

> **Exam Name: Microsoft Azure Data Fundamentals**

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QUESTION 266
What is a difference between structured data and semi-structured data?

A. Structured data has a fixed schema and semi-structured data has a flexible schema.
B. Only Structured data supports entities.
C. Structured data has a flexible schema and semi-structured data has a fixed schema.
D. Only Structured data supports attributes.

Answer: A
Explanation:
Whereas structured data requires a fixed schema defined in advance, semi-structured data does not require a prior schema definition. For this reason, it can constantly evolve - new attributes can be added at any time.

QUESTION 267
A bank needs to ensure that after an account transfer transaction completes, the revised account balances persists even if the database system hosting the transaction becomes temporarily unavailable.
Of which ACID semantic is this an example?

A. durability
B. isolation
C. atomicity
D. consistency

Answer: A

QUESTION 268
Which statement is an example of Data Manipulation Language (DML)?

A. INSERT
B. ALTER
C. DROP
D. CREATE

Answer: A

QUESTION 269
Which language is used to define queries in Azure Synapse Data Explorer?

A. Bash
B. PowerShell
C. KQL
D. SQL

Answer: C

QUESTION 270
Which Azure Cosmos DB API should you use for a graph database?

A. Azure Cosmos DB for Table
B. Azure Cosmos DB for Apache Cassandra
C. Azure Cosmos DB for NoSQL
D. Azure Cosmos DB for Apache Gremlin

Answer: D

QUESTION 271
A bank needs to ensure that a transaction involving debiting funds from a source account and crediting the same funds to a destination account must complete both actions. If either action falls to complete, the other action must fail.
Of which ACID semantic is this an example?

A. consistency
B. durability
C. atomicity
D. isolation

Answer: C

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QUESTION 272
Blob rehydration occurs in Azure Blob storage when a blob moves between which access tiers?

A. Hot to Cool
B. Hot to Archive
C. Cool to Archive
D. Archive to Cool

Answer: D

QUESTION 273
Which activity is most common for transactional workloads?

A. recording small units of work events in real time
B. aggregating massive amounts of data
C. producing complex reports
D. performing self-service data exploration

Answer: A

QUESTION 274
You have a banking application that transfers money in to and out of accounts.
Of which type of solution is this is an example?

A. online transaction processing (OLTP)
B. online analytical processing (OLAP)
C. extract, transform and load (ETL)
D. a data warehouse

Answer: A

QUESTION 275
SELECT, INSERT, and UPDATE are examples of which type of SQL statement?

A. Data Definition Language (DDL)
B. Data Control Language (DCL)
C. Data Manipulation Language (DML)

Answer: C

QUESTION 276
In an analytical data model, which type of table contains entities that are used to aggregate numeric values, where each entity is represented by a row with a unique key value?

A. bridge
B. dimension
C. fact

Answer: C

QUESTION 277
In a fully denormalized database, how is data read and written for a single entity?

A. Data is read from a single table and written to a single table.
B. Data is read from multiple tables and written to a single table.
C. Data is read from a single table and written to multiple tables.
D. Data is read from multiple tables and written to multiple tables.

Answer: A

QUESTION 278
Hotspot Question
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Answer:

Answer Area

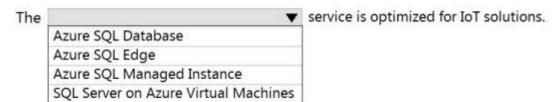| Statement	Yes	No
Database administrators apply data cleansing routines and turn data into useful information.	○	●
Data engineers manage databases, store backup copies of data, and restore data in the event of a failure.	○	●
Data analysts create data visuals and enable companies to make data-driven decisions.	●	○

QUESTION 279
Hotspot Question
Select the answer that correctly completes the sentence.

Answer Area

The [▼] service is optimized for IoT solutions.

- Azure SQL Database
- Azure SQL Edge
- Azure SQL Managed Instance
- SQL Server on Azure Virtual Machines

Answer:

Answer Area

The [▼] service is optimized for IoT solutions.

- Azure SQL Database
- **Azure SQL Edge**
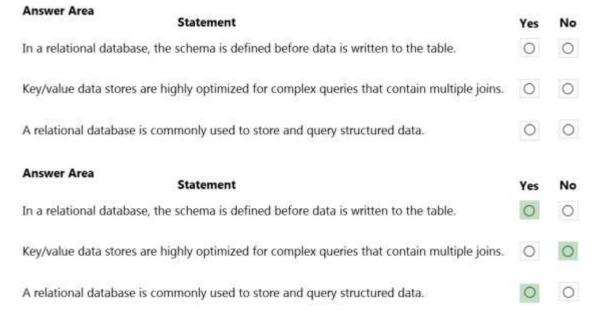- Azure SQL Managed Instance
- SQL Server on Azure Virtual Machines

QUESTION 280
Hotspot Question
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
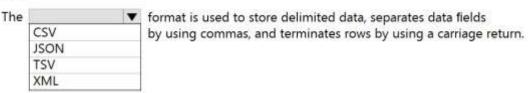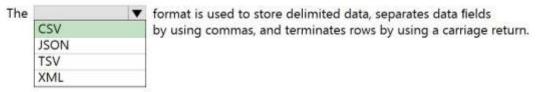NOTE: Each correct selection is worth one point.

Answer Area

Statement	Yes	No
In a relational database, the schema is defined before data is written to the table.	○	○
Key/value data stores are highly optimized for complex queries that contain multiple joins.	○	○
A relational database is commonly used to store and query structured data.	○	○

Answer:

Answer Area

Statement	Yes	No
In a relational database, the schema is defined before data is written to the table.	●	○
Key/value data stores are highly optimized for complex queries that contain multiple joins.	○	●
A relational database is commonly used to store and query structured data.	●	○

QUESTION 281
Hotspot Question
Select the answer that correctly completes the sentence.

Answer Area

The [▼] format is used to store delimited data, separates data fields by using commas, and terminates rows by using a carriage return.

- CSV
- JSON
- TSV
- XML

Answer:

Answer Area

The [▼] format is used to store delimited data, separates data fields by using commas, and terminates rows by using a carriage return.

- **CSV**
- JSON
- TSV
- XML
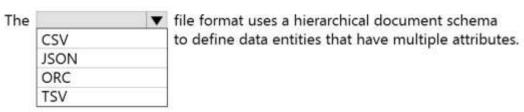
QUESTION 282
Hotspot Question
Select the answer that correctly completes the sentence.

Answer Area

The [▼] file format uses a hierarchical document schema
to define data entities that have multiple attributes.

| CSV |
| JSON |
| ORC |
| TSV |

Answer:

Answer Area

The [▼] file format uses a hierarchical document schema
to define data entities that have multiple attributes.

| CSV |
| **JSON** |
| ORC |
| TSV |