



# DP-900<sup>Q&As</sup>

Microsoft Azure Data Fundamentals

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### QUESTION 1

What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. access to the latest features
- B. complete control over backup and restore processes
- C. in-database machine learning services
- D. reduced administrative effort for managing the server infrastructure

Correct Answer: AD

A: Azure SQL Database is a fully managed platform as a service (PaaS) database engine that handles most of the database management functions such as upgrading, patching, backups, and monitoring without user involvement.

D: SQL Database delivers predictable performance with multiple resource types, service tiers, and compute sizes. It provides dynamic scalability with no downtime, built-in intelligent optimization, global scalability and availability, and advanced security options. These capabilities allow you to focus on rapid app development and accelerating your time-to-market, rather than on managing virtual machines and infrastructure.

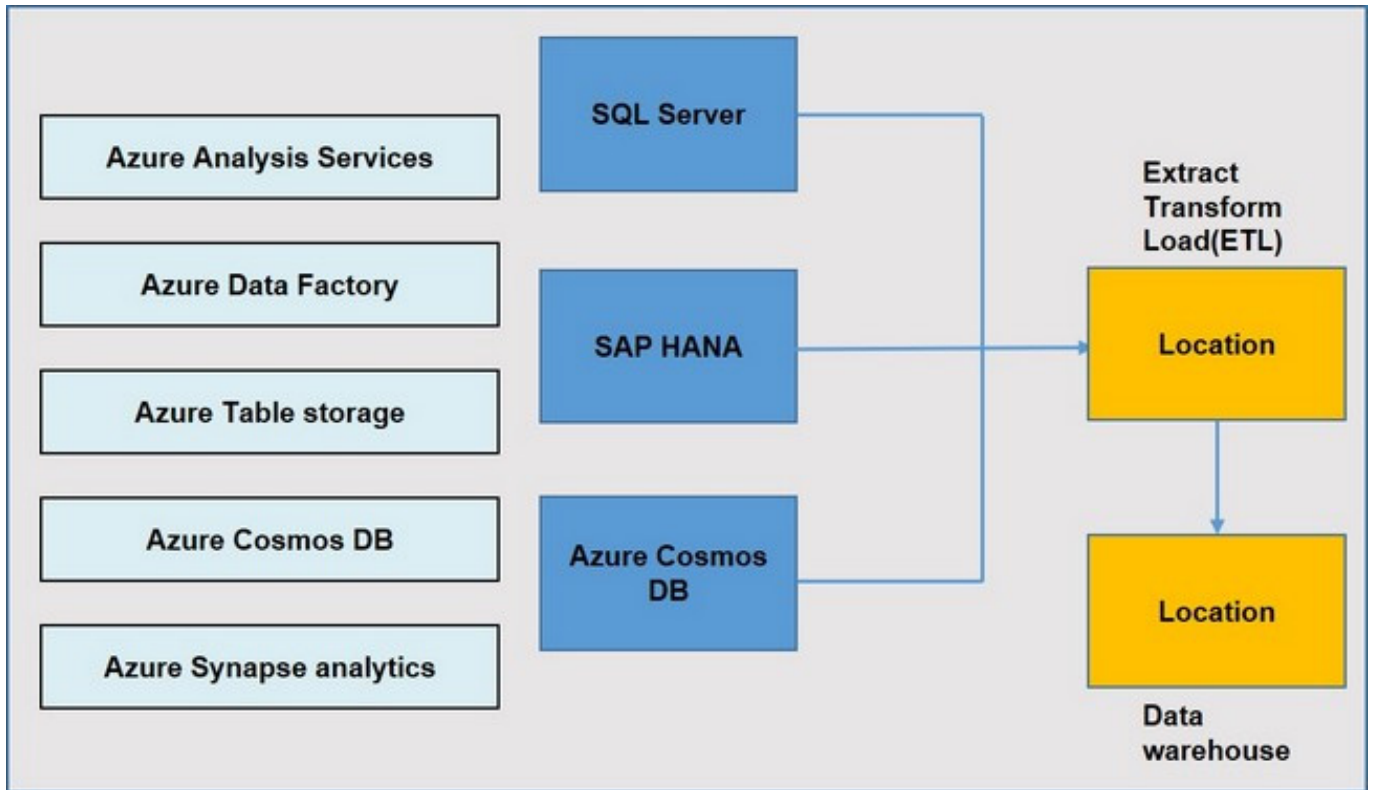
Reference: <https://docs.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview>

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### QUESTION 2

#### HOTSPOT

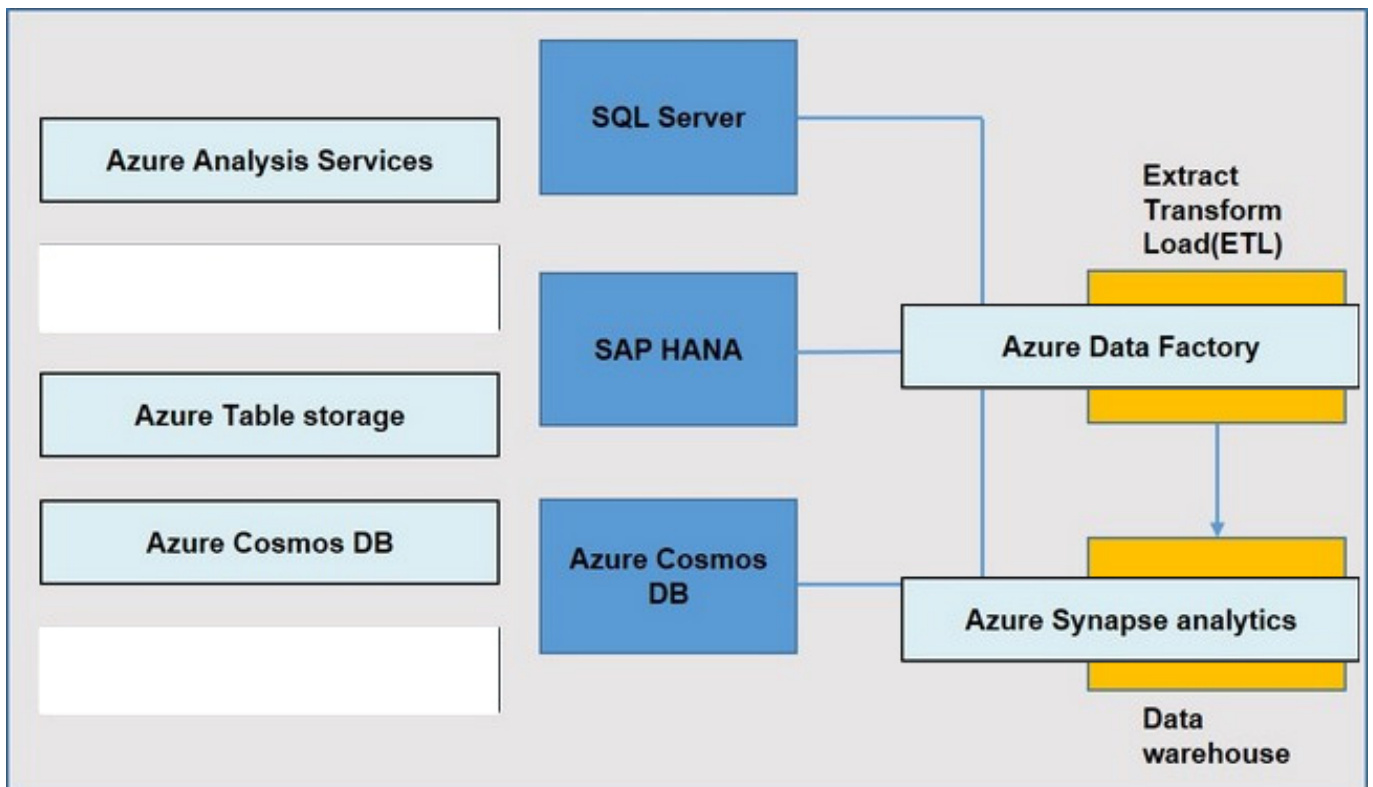
You have the following SQL query.



What are dbo.Products and ProductName? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:





Correct Answer:

SalesDate	SalesAmount	ProductID
4-Apr-20	\$2,000	1
5-Apr-20	\$40	2
5-Apr-20	\$2,300	1
6-Apr-20	\$40	3
6-Apr-20	\$200	4

### QUESTION 3

#### HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Relational data is stored in

- a file system as unstructured data.
- a hierarchal folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.

Correct Answer:



A relational database is appropriate for scenarios that involve a high volume of

changes to relationships between entities.
geographically distributed writes.
transactional writes.
writes that have varying data structures.

Reference: <https://docs.microsoft.com/en-us/azure/architecture/data-guide/relational-data/etl>

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#### QUESTION 4

You have a SQL query that combines customer data and order data. The query includes calculated columns.

You need to create a database object that would allow other users to rerun the same SQL query.

What should you create?

- A. an index
- B. a view
- C. a scalar function
- D. a table

Correct Answer: B

A view is a virtual table whose contents are defined by a query. A view acts as a filter on the underlying tables referenced in the view. The query that defines the view can be from one or more tables or from other views in the current or other databases.

Reference: <https://docs.microsoft.com/en-us/sql/relational-databases/views/views>

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#### QUESTION 5

##### HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:



To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation.

enable the hierarchical namespace
set Account kind to BlobStorage
set Performance to Premium
set Replication to Read-access geo-redundant storage (RA-GRS)

Correct Answer:

You can query a graph database in Azure Cosmos DB

as a JSON document by using a SQL-like language
as a partitioned row store by using Cassandra Query Language (CQL)
as a partitioned row store by using Language-integrated Query (LINQ)
as nodes and edges by using the Gremlin language

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