DP-900^{Q&As}

Microsoft Azure Data Fundamentals

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QUESTION 1

Which two Azure services can be used to provision Apache Spark clusters? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

A. Azure Time Series Insights

B. Azure HDInsight

C. Azure Databricks

D. Azure Log Analytics

Correct Answer: BC

Reference: https://www.sqlshack.com/a-beginners-guide-to-azure-databricks/

QUESTION 2

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:

Correct Answer:

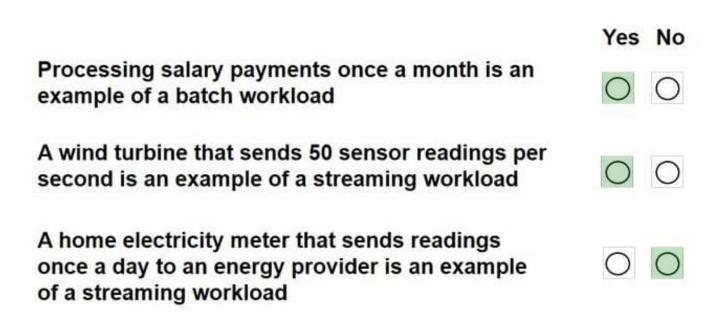|	Yes	No
Processing salary payments once a month is an example of a batch workload	●	○
A wind turbine that sends 50 sensor readings per second is an example of a streaming workload	●	○
A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload	○	●

QUESTION 3

You need to ensure that users use multi-factor authentication (MFA) when connecting to an Azure SQL database.

Which type of authentication should you use?

A. service principal authentication

B. Azure Active Directory (Azure AD) authentication

C. SQL authentication

D. certificate authentication

Correct Answer: B

Reference: https://docs.microsoft.com/en-us/azure/azure-sql/database/authentication-mfa-ssms-overview

QUESTION 4

Your company if designing an application that will write a high volume of JSON data and will have an application-defined schema. Which type of data store should you use?

A. key/value

B. document

C. graph

D. columnar

Correct Answer: A

A key/value store associates each data value with a unique key.

An application can store arbitrary data as a set of values. Any schema information must be provided by the application. The key/value store simply retrieves or stores the value by key.

Reference:

https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/data-store-overview

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QUESTION 5

HOTSPOT

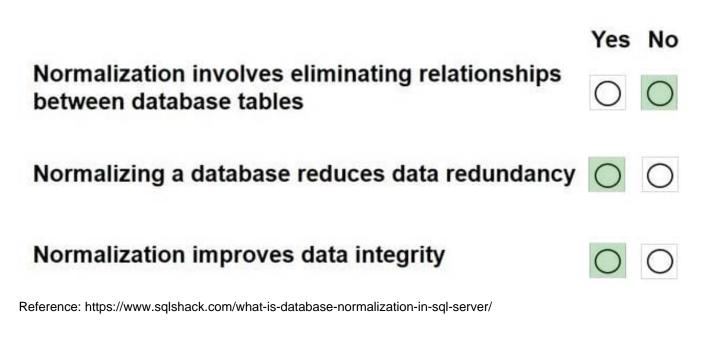For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

	Yes	No
Normalization involves eliminating relationships between database tables	O	O
Normalizing a database reduces data redundancy	O	O
Normalization improves data integrity	O	O

Correct Answer:

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	Yes	No
Normalization involves eliminating relationships between database tables	○	●
Normalizing a database reduces data redundancy	●	○
Normalization improves data integrity	●	○

Reference: https://www.sqlshack.com/what-is-database-normalization-in-sql-server/

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