1.

How is data in a relational table organized?



Rows and Columns



Header and Footer



Pages and Paragraphs

2.

Which of the following is an example of unstructured data?



An Employee table with columns EmployeeID, EmployeeName, and EmployeeDesignation



Audio and Video files



A table within a relational database

3.

What is a data warehouse?



A nonrelational database optimized for read and write operations



A relational database optimized for read operations



A storage location for unstructured data files

1.

Which one of the following tasks is the responsibility of a database administrator?



Backing up and restoring databases



Creating dashboards and reports



Creating pipelines to process data in a data lake

2.

Which role is most likely to use Azure Data Factory to define a data pipeline for an ETL process?



Database Administrator



Data Engineer



Data Analyst

3.

Which single service would you use to implement data pipelines, SQL analytics, and Spark analytics?



Azure SQL Database



Microsoft Power BI



Azure Synapse Analytics

1.

Which one of the following statements is a characteristic of a relational database?



All columns in a table must be of the same data type



A row in a table represents a single instance of an entity



Rows in the same table can contain different columns

2.

Which SQL statement is used to query tables and return data?



QUERY



READ



SELECT

3.

What is an index?



A structure that enables queries to locate rows in a table quickly



A virtual table based on the results of a query



A pre-defined SQL statement that modifies data

1.

Which deployment option offers the best compatibility when migrating an existing SQL Server on-premises solution?



Azure SQL Database (single database)



Azure SQL Database (elastic pool)



Azure SQL Managed Instance

2.

Which of the following statements is true about Azure SQL Database?



Most database maintenance tasks are automated



You must purchase a SQL Server license



It can only support one database

3.

Which database service is the simplest option for migrating a LAMP application to Azure?



Azure SQL Managed Instance



Azure Database for MySQL



Azure Database for PostgreSQL

1.

What are the elements of an Azure Table storage key?



Table name and column name



Partition key and row key



Row number

2.

What should you do to an existing Azure Storage account in order to support a data lake for Azure Synapse Analytics?



Add an Azure Files share



Create Azure Storage tables for the data you want to analyze



Upgrade the account to enable hierarchical namespace and create a blob container

3.

Why might you use Azure File storage?



To share files that are stored on-premises with users located at other sites.



To enable users at different sites to share files.



To store large binary data files containing images or other unstructured data.