🌐 English ⌄   **Due** Feb 26, 2:59 PM +07

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1. Semi-structured data can be held in which of the following formats?   **1 / 1 point**

   Select all options that apply.

   ☑ JSON Format

   > ⊘ **Correct**
   > Semi-structured data is information that doesn't reside in a relational database but still has some structure to it. Examples include documents held in JavaScript Object Notation (JSON) format.
   >
   > There are other types of semi-structured data as well. Examples include key-value stores and graph databases

   ☑ Graph Databases

   > ⊘ **Correct**
   > Semi-structured data is information that doesn't reside in a relational database but still has some structure to it. Examples include documents held in JavaScript Object Notation (JSON) format.
   >
   > There are other types of semi-structured data as well. Examples include key-value stores and graph databases

   ☑ Key Value Stores

   > ⊘ **Correct**
   > Semi-structured data is information that doesn't reside in a relational database but still has some structure to it. Examples include documents held in JavaScript Object Notation (JSON) format.
   >
   > There are other types of semi-structured data as well. Examples include key-value stores and graph databases

   ☐ Tables

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2. Which of the following statements describe Online Transactional Processing (OLTP)?   **1 / 1 point**

   ◉ Systems that are often high-volume, sometimes handling many millions of transactions in a single day.

   ○ Systems designed to support business users who need to query data and gain a big picture view of the information held in a database.

   > ⊘ **Correct**
   > Transactional systems are often high-volume, sometimes handling many millions of transactions in a single day. The data being processed has to be accessible very quickly.
   >
   > The work performed by transactional systems is often referred to as Online Transactional Processing (OLTP).

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3. Which of the following is an example of Unstructured data?   **1 / 1 point**

   ○ An Employee table with columns named as Empid, EmpName, Salary.

   ○ A table within SQL Server database.

   ◉ Audio and Video files.

   > ⊘ **Correct**
   > Audio and video files might not have a specific structure. This are referred to as unstructured data.

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4. Collaborating with stakeholders to design and implement data-related assets that include data ingestion pipelines, cleansing and transformation activities, and data stores for analytical workloads, is the responsibility of which one of the following roles?   **0 / 1 point**

   ○ Data Engineers

   ○ Data Analysts

   ◉ Database Administrators

5. Which role is responsible for the following tasks?   1 / 1 point

    • Enrolling users and maintaining system security.
    • Controlling and monitoring user access to the database.
    • Monitoring and optimizing the performance of the database.
    • Planning for backup and recovery of database information.

    ○ Data Analysts

    ○ Data Engineers

    ⦿ Database Administrators

    ⊘ **Correct**
    Database Administrators manage databases, assigning permissions to users, storing backup copies of data, and restore data in case of any failures.

6. Which of the following will allow for the creation of visualizations and reports?   1 / 1 point

    ○ Azure Data Studio

    ⦿ Power BI

    ○ SQL Server Management Studio

    ⊘ **Correct**
    Power BI is a collection of software services, apps, and connectors that work together to turn your unrelated sources of data into coherent, visually immersive, and interactive insights.

7. Which tool can be used to assist in creating custom Dashboards that will help in graphically organizing your resources in Azure?   1 / 1 point

    ○ Azure Marketplace

    ⦿ Azure Portal

    ⊘ **Correct**
    With the Azure portal, you can build, manage, and monitor everything from simple web apps to complex cloud deployments.

    Create custom dashboards for an organized view of resources and configure accessibility options for an optimal experience.