

1. Data Marts and Data Warehouses have typically been relational, but the emergence of what technology has helped to let these be used for non-relational data?

1 / 1 point

- ☐ SQL
- ☐ Data Lake
- ☒ NoSQL
- ☐ ETL



Correct

The emergence of NoSQL technology has made it possible for data marts and data warehouses to be used for both relational and non-relational data.

2. What is one of the most significant advantages of an RDBMS?

1 / 1 point

- ☐ Can store only structured data
- ☐ Enforces a limit on the length of data fields
- ☐ Requires source and destination tables to be identical for migrating data
- ☒ Is ACID-Compliant



Correct

ACID-Compliance is one of the significant advantages of an RDBMS.

3. Which one of the NoSQL database types uses a graphical model to represent and store data, and is particularly useful for visualizing, analyzing, and finding connections between different pieces of data?

1 / 1 point

- ☒ Graph-based
- ☐ Key value store
- ☐ Document-based
- ☐ Column-based



Correct

Graph-based NoSQL databases use a graphical model to represent and store data and are used for visualizing, analyzing, and finding connections between different pieces of data.

4. Which of the data repositories serves as a pool of raw data and stores large amounts of structured, semi-structured, and unstructured data in their native formats?

1 / 1 point

- ☐ Relational Databases
- ☐ Data Warehouses
- ☒ Data Lakes
- ☐ Data Marts



Correct

A Data Lake can store large amounts of structured, semi-structured, and unstructured data in their native format, classified and tagged with metadata.

5. While data integration combines disparate data into a unified view of the data, a data pipeline covers the entire data movement journey from source to destination systems, and ETL is a process within data integration.

1 / 1 point

- ☒ True
- ☐ False



Correct

A data pipeline covers the entire journey of data from source to destination. Data integration is performed within a data pipeline, while ETL is a process within data integration.