

Quiz 2 - Data Repositories, Data Pipelines, and Data Integration Platforms

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

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

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

✓ **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

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

✓ **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 Lakes
- ☐ Data Marts
- ☐ Data Warehouses



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.