

1. Structured Query Language, or SQL, is the standard querying language for what type of data repository?

1 / 1 point

- ☐ NoSQL
- ☐ Flat Files
- ☐ Data lake
- ☒ RDBMS



Correct

SQL is the standard querying language for RDBMSs.

2. In use cases for RDBMS, what is one of the reasons that relational databases are so well suited for OLTP applications?

1 / 1 point

- ☒ Support the ability to insert, update, or delete small amounts of data
- ☐ Allow you to make changes in the database even while a query is being executed
- ☐ Offer easy backup and restore options
- ☐ Minimize data redundancy



Correct

This is one of the abilities of RDBMSs that make them very well suited for OLTP applications.

3. Which NoSQL database type stores each record and its associated data within a single document and also works well with Analytics platforms?

1 / 1 point

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



Correct

Document-based NoSQL databases store each record and its associated data within a single document and work well with Analytics platforms.

4. What type of data repository is used to isolate a subset of data for a particular business function, purpose, or community of users?

1 / 1 point

- ☐ Data Lake
- ☐ Data Pipeline
- ☒ Data Mart
- ☐ Data Warehouse

✓ **Correct**

A data mart is a sub-section of the data warehouse used to isolate a subset of data for a particular business function, purpose, or community of users.

5. What does the attribute "Velocity" imply in the context of Big Data?

1 / 1 point

- ☒ The speed at which data accumulates
- ☐ Diversity of data
- ☐ Quality and origin of data
- ☐ Scale of data

✓ **Correct**

Velocity, in the context of Big Data, is the speed at which data accumulates.

6. Which of the Big Data processing tools provides distributed storage and processing of Big Data?

1 / 1 point

- ☐ Hive
- ☒ Hadoop
- ☐ Spark
- ☐ ETL

✓ **Correct**

Hadoop, a java-based open-source framework, allows distributed storage and processing of large datasets across clusters of computers.