

Briefly explain the three (3) main goals of database security.

01 a. i

- Confidentiality : Provides protection from unauthorized access for sensitive data.
- Integrity : Ensures the accuracy, consistency and reliability of data.
- Availability : When needed, database is accessible and usable.

What role does NoSQL play in enterprises?

01 a. ii

- Handling Big Data - enterprises deal with large amount of data.
- High scalability and performance -
- Real-time Analytics - NoSQL databases provide built-in real time analytics.
- Distributed Architectures.

How is ACID handled in NoSQL?

02

a.

i

- ACID
- Atomicity
- Durability
- Consistency
- Isolation

What is the role of sharding in NoSQL?

02

a.

ii

- Load balancing.
- Improved query performance.
- Horizontal scalability
- Data distribution