

# SQL Interview

## Questions Part - 2

**Q:** What is normalization?

**A:** Normalization is the process of organizing data in a database to **reduce redundancy** and improve data integrity.

It involves breaking up a large table into smaller tables and establishing relationships between them.

# SQL Interview Questions

**Q:** What is a trigger?

**A:** A trigger is a set of SQL statements that are automatically executed in response to a specific event, such as an insert, update, or delete operation on a table.

# SQL Interview Questions

**Q:** What is indexing?

**A:** Indexing is the process of creating an index on a column in a table to improve the speed of queries that search for data in that column.

# SQL Interview Questions

**Q:** What is a stored procedure?

**A:** A stored procedure is a precompiled and stored SQL code that can be executed repeatedly. It is used to simplify complex queries and to improve performance.

# SQL Interview Questions

**Q:** What is a transaction?

**A:** A transaction is a sequence of SQL statements that are executed as a single unit of work. It is used to ensure that all changes to a database are completed successfully or not at all.

# SQL Interview Questions

**Q:** What is ACID?

**A:** ACID is a set of properties that guarantee that database transactions are processed reliably. ACID stands for Atomicity, Consistency, Isolation, and Durability.