

100 SQL Definitions and Interview Questions with Answers

1. What is SQL?

SQL (Structured Query Language) is a programming language used to manage and manipulate relational databases.

2. What is a Database?

A database is an organized collection of data that can be easily accessed, managed, and updated.

3. What is a Table in SQL?

A table is a collection of rows and columns used to store data in a structured format.

4. What is a Row in a Table?

A row (or record) represents a single data entry in a table.

5. What is a Column in a Table?

A column (or field) defines the type of data stored in each row for a particular attribute.

6. What is a Primary Key?

A primary key is a unique identifier for a row in a table. It ensures no duplicate or NULL values.

7. What is a Foreign Key?

A foreign key links one table to another by referencing the primary key in the second table.

8. What is a Unique Key?

A unique key ensures all values in a column are unique, but it allows one NULL value.

9. What is a NULL Value?

NULL represents missing or undefined data in a table.

10. What is a SQL Query?

A SQL query is a statement used to interact with the database (e.g., retrieve, update, or delete data).

11. What is DDL?

DDL (Data Definition Language) defines and modifies database structures like tables. Examples: CREATE

12. What is DML?

DML (Data Manipulation Language) is used to manipulate data. Examples: SELECT, INSERT, UPDATE, D

13. What is DCL?

DCL (Data Control Language) controls database access. Examples: GRANT, REVOKE.

14. What is TCL?

TCL (Transaction Control Language) manages database transactions. Examples: COMMIT, ROLLBACK, S

15. What is the SELECT Statement?

SELECT retrieves data from a table.

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SELECT * FROM Employees;
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... (Add remaining questions and answers here) ...