

Interview Questions on SQL

PART 1 - Terminologies

1) What is SQL?

SQL stands for Structured Query Language and is a language designed for storing, manipulating and retrieving data from Relational databases.

Relational Database Management System that uses SQL are MySQL, MS Access, Oracle, PostGres, SQLite etc.,

2) Is SQL a programming Language?

Yes, it is an imperative rather than functional. It executes set of instructions and returns an output.

3) What is NoSQL?

NoSQL stands for Non-SQL meaning non-relational and is used for storing, manipulating and retrieving data from non-relational databases.

Some of the NoSQL databases are Cassandra, MongoDB, Apache CouchDB etc.,

4) What is a relational Database?

Relational database is a set of tables stored in a way that provides access to retrieve data based on any relations. The tables are based on a schema.

5) What is SQL server?

SQL Server is a Relational Database Management System developed by Microsoft. It supports variety of Transaction processes.

6) Is SQL server same as SQL?

No, SQL is a tool to interact with a Relational Database Management System, whereas SQL server is itself a database management system.

7) What is the difference between a table and a database?

A table is a collection of data that is stored in the form of rows and columns, while database is a collection of data stored in the form of a table.

8) What are the difference between Relationships and Entities?

An Entity is the attribute of a data. It may be the Employee id of an employee in a table.

Relationship is a link between two or more entities. It may be the relationship between the salary and the job posting of an employee.