Mid Term

Database

Q1- What is Databases? Give 5 examples.

A1- A database is a collection of information that is structured in such a way that it can easily be accessed, managed and updated. Computer databases typically contain data gathered in records or files, containing information about a specific theme.

Types of database:-

1. Relational database
2. Distributed database
3. Cloud database
4. NoSQL database
5. Object-oriented database

Q2- Is Web development without database is possible? Explain.

A2- Yes, it is possible. It depends on how complex your web is. However, I highly discourage this approach. We can develop a site without if the site is very simple, and has only one person contributing to it. If there more than one user of the site than there will a problem for managing user data which is not possible without a database. Without a database two users cannot access the application at the same time.

Q3- Suppose, we want to display all the data from student table. Select the correct answer?

   a) SELECT student_name FROM student;

   b) SELECT phone_number FROM student;

   c) SELECT * FROM student;

A3-   c) SELECT * FROM student;

Q4- What are joins in SQL? Name there types and explain 2 of them.

A4- A SQL join is a Structured Query Language (SQL) instruction to combine data from two sets of table . A **JOIN** clause is used to combine rows from two or more tables, based on a related column between them. There are four basic types of SQL joins: inner, left, right, and full.

LEFT JOIN: - Select all records from Table A, along with records from Table B for which the join condition is met

FULL JOIN: - Select all records from Table A and Table B, regardless of whether the join condition is met or not.

Q5- SQL comand to drop a table from the database.

A5- DROP TABLE table_name;