1. **What is RDBMS**

RDBMS stands for Relational Database Management System. RDBMS is a program used to maintain a relational database. A relational database defines database relationships in the form of tables. The tables are related to each other - based on data common to each.

1. **What is SQL**

SQL is the standard language for dealing with Relational Databases. SQL is used to insert, search, update, and delete database records.

1. **Write SQL Commands**

SELECT - extracts data from a database

UPDATE - updates data in a database

DELETE - deletes data from a database

INSERT INTO - inserts new data into a database

CREATE DATABASE - creates a new database

ALTER DATABASE - modifies a database

CREATE TABLE - creates a new table

ALTER TABLE - modifies a table

DROP TABLE - deletes a table

CREATE INDEX - creates an index (search key)

Drop INDEX - deletes an index

1. **What is join?**

A JOIN clause is used to combine rows from two or more tables, based on a related column between them.

1. **Write type of joins.**

INNER JOIN: Returns records that have matching values in both tables

LEFT JOIN: Returns all records from the left table, and the matched records from the right table

RIGHT JOIN: Returns all records from the right table, and the matched records from the left table

CROSS JOIN: Returns all records from both tables

1. **How Many constraint and describes it self**

[NOT NULL](https://www.w3schools.com/mysql/mysql_notnull.asp) - Ensures that a column cannot have a NULL value

[UNIQUE](https://www.w3schools.com/mysql/mysql_unique.asp) - Ensures that all values in a column are different

[PRIMARY KEY](https://www.w3schools.com/mysql/mysql_primarykey.asp) - A combination of a NOT NULL and UNIQUE. Uniquely identifies each row in a table

[FOREIGN KEY](https://www.w3schools.com/mysql/mysql_foreignkey.asp) - Prevents actions that would destroy links between tables

[CHECK](https://www.w3schools.com/mysql/mysql_check.asp) - Ensures that the values in a column satisfies a specific condition

[DEFAULT](https://www.w3schools.com/mysql/mysql_default.asp) - Sets a default value for a column if no value is specified

[CREATE INDEX](https://www.w3schools.com/mysql/mysql_create_index.asp) - Used to create and retrieve data from the database very quickly

1. **Difference between RDBMS vs DBMS**

|  |  |
| --- | --- |
| **DBMS** | **RDBMS** |
| [DBMS](https://www.geeksforgeeks.org/introduction-of-dbms-database-management-system-set-1/) stores data as file. | [RDBMS](https://www.geeksforgeeks.org/rdbms-architecture/) stores data in tabular form. |
| Data elements need to access individually. | Multiple data elements can be accessed at the same time. |
| No relationship between data | Data is stored in the form of tables which are related to each other. |
| DBMS does not support distributed database. | RDBMS supports distributed database. |
| It deals with small quantity of data. | It deals with large amount of data. |
| Security is less | More security measures provided. |
| It supports single user. | It supports multiple users. |
| Examples:[XML](https://www.geeksforgeeks.org/xml-basics/), Window Registry, Forxpro, dbaseIIIplus etc. | Examples: [MySQL](https://www.geeksforgeeks.org/architecture-of-mysql/), [PostgreSQL](https://www.geeksforgeeks.org/what-is-postgresql-introduction/), [SQL](https://www.geeksforgeeks.org/what-is-sql/) Server, Oracle, Microsoft Access etc |

1. **What is API Testing**

API is application programming interface is a computing interface which enables communication and data exchange between two separate software systems. Purpose of check the functionality, reliability, performance and security of the programming interfaces.

1. **Types of API Testing**

Open APIs

Partner APIs

Internal APIs

1. **What is Responsive Testing?**

A Responsive web design involves creating a flexible web page that is accessible from every devices, starting from a mobile phone a tablet.

1. **Which types of tools are available for Responsive Testing**

LT browser

Lembda tesing

Google resizer

I am Responsive

Pixel tuner

1. **What is the full form of .ipa, .apk**

**.ipa-** iOS AppStore Package

**.apk-**  Android Application Package

1. **How to create step for to open the developer option mode ON?To check**
2. Step 1: Go to Settings > About phone.
3. Step 2: Scroll down to Build number.
4. Step 3: Tap Build number seven times. ...
5. Step 4: Once developer options are activated, you will see a message that reads, You are now a developer