

## **1. What is RDBMS**

RDMS stands for relational database management system. This software used to store, manage query, and retrieve data stored in relational database is called relational database management system.

RDMS use Structured Query Language (SQL) for managing and manipulating data. RDBMS is a more advanced version of DBMS system that allows access to data in more efficient way.

## **2. What is SQL**

SQL stands for structured query language.

- SQL is Structured Query Language, which is a computer language for storing, manipulating and retrieving data stored in relational database.
- SQL is a language of database, it includes database creation, deletion, fetching rows and modifying rows etc

## **3. Write SQL Commands**

DDL – Data Definition Language

DML – Data Manipulation Language

DCL – Data Control Language

DQL – Data Query Language

## **4. What is join?**

SQL JOINS are used to combine records from two or more tables in a database based on related columns. They allow you to retrieve data that is spread across multiple tables in a relational database, making it possible to correlate related information.

## **5. Write type of joins.**

- INNER JOIN: returns rows when there is a match in both tables.
- LEFT JOIN: returns all rows from the left table, even if there are no matches in the right table.
- RIGHT JOIN: returns all rows from the right table, even if there are no matches in the left table.
- FULL JOIN: returns rows when there is a match in one of the tables.

## **6. How Many constraint and describes it self**

NOT NULL: Ensures that a column cannot have NULL values.

UNIQUE: Ensures that all values in a column are distinct.

**PRIMARY KEY:** A combination of NOT NULL and UNIQUE, uniquely identifies each row in a table.

**FOREIGN KEY:** Maintains referential integrity by linking to another table's column.

**CHECK** - Ensures that the values in a column satisfies a specific condition

**DEFAULT** - Sets a default value for a column if no value is specified

**CREATE INDEX** - Used to create and retrieve data from the database very quickly

## 7. Difference between RDBMS vs DBMS

RDBMS	DBMS
Data stored is in table format	Data stored is in the file format
Multiple data elements are accessible together	Individual access of data elements
Data in the form of a table are linked together	No connection between data
Data is stored in a large amount	Data stored is a small quantity
RDBMS supports multiple users	DBMS supports a single user
Example: Oracle, SQL Server.	Example: XML, Microsoft Access.

## 8. What is API Testing

API is a Software Interface that allows two applications to interact with each other without any user intervention.

## 9. Types of API Testing

- Open APIs: These types of APIs are publicly available to use like OAuth APIs from Google. It has also not given any restriction to use them. So, they are also known as Public APIs.
- Partner APIs: Specific rights or licenses to access this type of API because they are not available to the public.
- Internal APIs: Internal or private. These APIs are developed by companies to use in their internal systems. It helps you to enhance the productivity of your teams.

## **10. What is Responsive Testing?**

Responsive testing involves how a website or web application looks and behaves on different devices, screen sizes, and resolutions.

The goal of responsive testing is to ensure that the website or web application can be used effectively on various devices, including desktops, laptops, tablets, and smartphones.

## **11. Which types of tools are available for Responsive Testing**

- LT Browser
- Lambda Testing
- Google Resizer
- am I responsive
- Pixel tuner

## **12. What is the full form of .ipa, .apk**

.ipa= iOS package App,

.apk= Android Application Package

## **13. How to create step for to open the developer option mode ON?**

Step 1: Go to Settings >my Phone.

Step 2: Tap Software Info > Build Number.

Step 3: Tap Build Number seven times. After the first few taps, you should see the steps counting down until you unlock the developer options. You may also have to tap in your PIN for verification.

Step 4: Once developer options are activated, you will see a message that reads, You are now a developer.

Step 5: Go back to the Settings pane, where you will now find Developer options as an entry.

Step 6: Tap it and toggle (USB debugging) the switch on if it is not already, and from there, you can proceed to make adjustments to your phone.