

### 1) What is RDBMS?

A relational database management system (RDBMS) is a program used to create, update, and manage relational databases. Some of the most well-known RDBMSs include MySQL, PostgreSQL, MariaDB, Microsoft SQL Server, and Oracle Database.

### 2) What is SQL?

SQL is the language used to manipulate relational databases. SQL is tied very closely with the relational model.

### 3) Write SQL Commands.

- DDL: Data Definition Language
- DQL: Data Query Language
- DML: Data Manipulation Language
- DCL: Data Control Language
- TCL: Transaction Control Language

### 4) What is join?

JOIN is an SQL clause used to query and access data from multiple tables, based on logical relationships between those tables.

### 5) Write types of Join.

- Inner Join
- Left Join
- Right Join
- Full Join
- Natural Join
- Cross Join

### 6) How many Constraint and Describe it self.

- **NOT NULL** : Ensures that a column cannot have a NULL value.
- **PRIMARY KEY** : Uniquely identifies each record in a table. Cannot have NULL.
- **FOREIGN KEY** : Ensures referential integrity by linking a column to another table's primary/unique key.
- **UNIQUE** : Ensures that all values in a column are unique across the table.
- **CHECK** : Ensures that values in a column meet a specific condition.
- **DEFAULT** : Assigns a default value to a column if no value is provided during insertion.
- **INDEX** : Improves query performance by indexing columns (not strictly a constraint).

## 7) Difference between RDBMS vs DBMS.

### RDBMS:

- Structured data (tables, rows, columns)
- Strong relationships defined through keys
- Higher complexity
- Use cases include transactional databases, customer management, complex analysis.

### DBMS:

- Flexible data organization (structured, semi – structured, unstructured)
- No inherent support for relationship
- Lower complexity
- Use cases include document management, email archiving, unstructured data

## 8) What is API Testing?

An API is a set of tools, protocols and definitions that allows different software applications to communicate with each other. APIs are essential for building complex software systems and enabling integration between different services.

## 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 is a process that evaluates how a website or web application functions and appears on various devices, screen sizes, and resolutions.

## 11) What is full form of .ipa, .apk?

IPA Stands for IOS Application Package.

APK Stands for Android Application Package.

**12) How to create step for to open the developer option mode ON?**

- Go to Settings
- Tap About device or About phone
- Tap Software information
- Tap Build number seven times
- Enter your pattern, PIN, or password
- The Developer options menu will appear in your Settings menu