

1) What is RDBMS?

RDBMS (Relational Database Management System) is a database management system where data is stored in the form of tables (rows and columns). The tables are related to each other using keys

2) What is SQL?

SQL (Structured Query Language) is a programming language used to store, retrieve, update, and manage data in a database

3) Write SQL Commands

Important SQL command categories:

Type Commands Purpose

DDL CREATE, ALTER, DROP To create and modify database structure

DML INSERT, UPDATE, DELETE To manipulate data

DQL SELECT To fetch data

DCL GRANT, REVOKE To control user access

TCL COMMIT, ROLLBACK, SAVEPOINT To

manage database transactions

4) What is Join?

A Join in SQL is used to combine data from two or more tables based on a common column (key)

5) Write Types of Joins

Different types of SQL Joins:

1. INNER JOIN
2. LEFT JOIN
3. RIGHT JOIN
4. FULL JOIN
5. SELF JOIN
6. CROSS JOIN

6) How Many Constraints? Describe Them

Constraints are rules applied to columns to maintain accuracy, reliability, and integrity of the data.

Constraint Description

PRIMARY KEY Uniquely identifies each record in a table

FOREIGN KEY Establishes a

relationship between tables

UNIQUE Ensures all values in a column are different

NOT NULL Does not allow empty (NULL) values

CHECK Ensures data meets a specific condition

DEFAULT Sets a default value if none is provided

7) Difference Between RDBMS and DBMS

DBMS	RDBMS
Stores data as files	Stores data in tables
Does not support relationships	Supports relationships between tables
Less secure	More secure due to constraints
Suitable for small data	Suitable for large data
Example: MS Excel	Example: MySQL, Oracle, SQL Server

8) What is API Testing?

API Testing is a type of software

testing that verifies the backend services, business logic, and response data of an application without testing the UI.

#### 9) Types of API Testing

Types of API Testing include:

1. Functional Testing
2. Load Testing
3. Security Testing
4. Validation Testing
5. Error Handling Testing
6. Performance Testing

#### 10) What is Responsive Testing?

Responsive Testing is a type of testing used to check whether a website or application adjusts correctly on different screen sizes, devices, and resolutions such as mobile, tablet, and desktop.

#### 11) Tools Used for Responsive Testing

Common responsive testing tools:

1. Chrome DevTools

2. BrowserStack
3. Responsive Design Checker
4. LambdaTest
5. Screenfly

12) What is the full form of .ipa and .apk?

File Extension Full Form Platform

.apk Android Package Kit Android

.ipa iPhone Application Archive

iOS

13) How to Turn ON Developer Option in a Mobile? (Steps)

Steps to enable Developer

Options in Android:

1. Open Settings

2. Go to About Phone

3. Tap on Build Number 7 times continuously

4. Enter your PIN/Password

5. Go back to Settings

6. You will see Developer

Options enabled

