**Que.1 What is RDBMS?**

**ANS:-**The software used to store, manage, query, and retrieve data stored in a relational database is called a relational database management system (RDBMS).

**Que.2 What is SQL?**

**ANS:-**SQL stands for Structured Query Language, SQL lets you access and manipulate databases.

**Que.3 write SQL commands**

**ANS:-**

* **DDL - DATA DEFINITION LANGUAGE**

1. CREATE

2. DROP

3. AFTER

4. TRUNCATE

* **DQL - DATA QUERY LANGUAGE**

1. SELECT

* **DML - DATA MANIPULATION LANGUAGE**

1. INSERT

2. UPDATE

3. DELETE

4. CALL

5. EXPLAIN CALL

6. LOCK

* **DCL - DATA CONTROL LANGUAGE**

1. GRANT

2. REVOKE

* **TCL - TRANSACTION CONTROL LANGUAGE**

1. COMMIT

2. SAVE POINT

3. ROLL BACK

4. SET TRANSACTION

5. SET CONSTRAINT

**Que.3 What is Join?**

**ANS:-** A join clause combines rows from two or more tables, based on a related column between them.

**Que.4 Write a type of join.**

**Ans:-**

* **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.
* **Full join:-**Returns all records when there is a match in either the left or right table.

**Que.5 How many constraints and describe itself?**

**ans:-**

* **Not null**:- Ensures that a column cannot have a NULL value
* **Unique**:- Ensures that all values in a column are different
* **Primary key**:- A combination of a NOT NULL and UNIQUE. Uniquely identifies each row in a table
* **Foreign key**:- Prevents actions that would destroy links between tables
* **Check**:- Ensures that the values in a column satisfy 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

**Que.6 Difference between rdbms vs dbms.**

**Ans:-**

| **DBMS** | **RDBMS** |
| --- | --- |
|  |  |
| **1.** data elements need to be accessed individually. | **1.** multiple data elements can be accessed at the same time. |
| **2.** No relationship between data. | **2.** Data is stored in the form of tables which are related to each other. |
| **3.** Dbms does not support distributed databases. | **3.** Rdbms supports distributed databases. |
| **4.** It stores data in either a navigational or hierarchical form. | **4.** It uses a tabular structure where the headers are the column names, and the rows  Contain corresponding values. |
| **5.** The data in a DBMS is subject to low-security levels concerning data manipulation. | **5.** There exists multiple levels of data security in a rdbms. |
| **6.** Data fetching is slower for a large amount of data. | **6.** Data fetching is fast because of the relational approach. |
| **7.** Data redundancy is common in this model. | **7.** Keys and indexes do not allow data redundancy. |
| **8.** It deals with a small quantity of data. | **8.** It deals with large amounts of data. |

**Que.7 What is API testing?**

**Ans:-** API testing is a type of software testing that analyzes an application program interface (API) to verify that it fulfills its expected functionality, security, performance, and reliability. The tests are performed either directly on the API or as part of integration testing.

**Que.8 types of API testing?**

**Ans:-**

* **Open API:-** These types of APIs are publicly available to use like OAuth APIs from Google. It has also not given any restrictions to use them. So, they are also known as Public APIs.
* **Partner API:-** Specific rights or licenses to access this type of API because they are not available to the public.
* **Internal api:-**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.

**Que.8 What is responsive testing?**

**Ans:-** Responsive testing is a process that renders web pages on viewports of multiple devices using CSS media queries based on the user device where the website is accessed. In simple terms, responsive testing ensures that responsive web design is optimized well for all types of screen sizes and resolutions.

**Que.9 Which types of tools are available for responsive testing?**

**Ans:-**

* Lt browser
* Lambda testing
* Google resixer
* Am i responsive
* Pixel tuner

**Que.10 what is the full form of ipa and apk?**

**Ans:-**

* **Ipa:-** International Phonetic Alphabet, ios package app
* **Apk:-** Android Application Package

**Que.11 How to create a step to open the developer option mode ON?**

**Ans:-**

* **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.