**MODULE – 3 (TESTING ON LIVE APPLICATION)**

1) What is RDBMS?

-The software used to store, manage, query, and retrieve data stored in a relational database is called a relational database management system (RDBMS). The RDBMS provides an interface between users and applications and the database, as well as administrative functions for managing data storage, access, and performance.

2) What is sql?

- SQL is a language of database, it includes database creation, deletion, fetching rows and modifying rows etc.

3) Write sql commands?

- SQL Commands

- DDL – Data definition Language

- DML – Data Manipulation Language

- DCL – Data Control Language

- DQL – Data Query Language

4) What is join?

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

5) Write different types of joints?

- 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 itself?

- Constraints are used to limit the type of data that can go into a table. This ensures the accuracy and reliability of the data in the table. If there is any violation between the constraint and the data action, the action is aborted.

The following constraints are commonly used in SQL:

* [NOT NULL](https://www.w3schools.com/sql/sql_notnull.asp) - Ensures that a column cannot have a NULL value
* [UNIQUE](https://www.w3schools.com/sql/sql_unique.asp) - Ensures that all values in a column are different
* [PRIMARY KEY](https://www.w3schools.com/sql/sql_primarykey.asp) - A combination of a NOT NULL and UNIQUE. Uniquely identifies each row in a table
* [FOREIGN KEY](https://www.w3schools.com/sql/sql_foreignkey.asp) - Prevents actions that would destroy links between tables
* [CHECK](https://www.w3schools.com/sql/sql_check.asp) - Ensures that the values in a column satisfies a specific condition
* [DEFAULT](https://www.w3schools.com/sql/sql_default.asp) - Sets a default value for a column if no value is specified
* [CREATE INDEX](https://www.w3schools.com/sql/sql_create_index.asp) - Used to create and retrieve data from the database very quickly.

7) Difference between RDBMS v/s DBMS?

|  |  |  |
| --- | --- | --- |
|  | DBMS | RDBMS |
| 1) | DBMS store file as file | RDBMS store file in tabular form. |
| 2) | Data elements need to access individually. | Multiple data elements can be accessed at the same time. |
| 3) | No relationship between data. | Data is stored in the form of tables which are related to each other. |
| 4) | Security is less | More security measures provided. |
| 5) | Data fetching is slower for the large amount of data. | Data fetching is fast because of relational approach. |

8) What is API Testing?

- Application Programming Interface (API) is a software interface that allows two applications to interact with each other without any user intervention.

- The purpose of API Testing is to check the functionality, reliability, performance, and security of the programming interfaces.

- API tests are very different from GUI Tests and won’t concentrate on the look and feel of an application.

9) Types of API testing?

- There are mainly 3 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?

- A responsive web design involves creating a flexible web page that is accessible from any device, starting from a mobile phone to a tablet.

- Considering this from a quality assurance perspective, a responsive web design requires thorough evaluation using a variety of devices before it is ready to go live.

11) Which types of tools are available for Responsive Testing?

- LT Browser

- Lambda Testing

- Google resizes

- I am responsive

- Pixel tuner

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

- .ipa - iOS package App Store

- .apk - Android Application Package

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

- Steps to on developer mode in android

1) On your device, find the **Build number** option.

2) Tap the **Build Number** option seven times until you see the message ‘You are now a developer!’ This enables developer options on your device.

1. 3) Return to the previous screen to find **Developer options** at the bottom.

4) Enable USB debugging on your device.