

Module 3 (Testing on Live Application)

• What is RDBMS

- RDBMS stands for Relational Database Management System.
- the basis for SQL, and for all modern database systems like MS SQL Server, IBM DB2, Oracle, MySQL, and Microsoft Access.
- A Relational database management system (RDBMS) is a database management system (DBMS) that is based on the relational model as introduced by E. F. Cod.

• What is SQL

- SQL stands for structured query language.
- SQL is a domain specific language used to manage data, especially in a RDBMS.
- SQL is the standard programming language of relational Dbs.
- **they are using different dialects**
 1. MS SQL Server using T-SQL, ANSI SQL
 2. Oracle using PL/SQL
 3. MS Access version of SQL is called JET SQL (native format) etc.

• Write SQL Commands

- **DDL** – Data Definition Language
- **DML** – Data Manipulation Language
- **DCL** – Data Control Language
- **DQL** – Data Query Language

- **What is join?**

- Join is a type of SQL.

- **Write type of joins.**

- **Type:**

1. **Inner join:** returns rows when there is a match in both tables.
2. **Left join:** returns all rows from the left table, even if there are no matches in the right table.
3. **Right join:** returns all rows from the right table, even if there are no matches in the left table.
4. **Full join:** returns rows when there is a match in one of the tables.

- **How Many constraint and describes it self**

- **Primary key:** This applies on both table and column.
- Only one primary key can be created per table.
- **foreign key:** This applies on both table and column.
- Multiple foreign keys can be created per table.
- **Not null:** Applied only on the column.
- **Unique:** This applies on both table and column.
- It ensures that the column has only unique values.
- **Check:** This applies on both table and column.
- It is similar to data validation in excel.
- **Default:** This applies on both table and column.
- It provides a default value for a column if no value is assigned.

- **Difference between RDBMS vs DBMS**

- **RDBMS:**

- RDBMS stands for Relational Database Management System.
- A type of DBMS that uses a relation model
- Stores data in tables
- Create, updates, administers, and interacts with a relation database.
- Support multiple users.

- **DBMS:**

- DBMS stands for Database Management System.
- Software that manages data in a database.
- Can store data in file.
- Manage and organizes data.
- Support single users.

- **What is API Testing**

- API stands for Application Programming Interface.
- API is a computing interface which enables communication and data exchange between two separate software systems.

- **Types of API Testing**

- **There are 3 types of API Testing**

1. Open API
2. Partner API
3. Internal API

- **What is Responsive Testing?**

- Responsive testing is process that checks how a website or web app looks and work on different devices and screen size.
- The goal is to ensure that the website is usable on a variety of devices.
- Software testers may find it challenging to perform responsive design testing as a variety of factors are to be looked into during the testing phase.

- **Which types of tools are available for Responsive Testing**

- **Tools:**

1. LT Browser
2. Lambda Testing
3. Google Resizer
4. I am responsive
5. Pixel tuner

- **What is the full form of ipa, apk?**

- **IPA:** IOS app store package
- **APK:** Android package kit

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

- Go to setting
- Tap about device
- Tap software information
- Tap build number 7 time
- Enter your PIN
- The developer option menu will appear in the setting menu.