**MODULE : 3 TESTING ON LIVE APPLICATION**

* **What is RDBMS :**

Rational Database Management System

* it is a database management system which is based on the relational model.
* Here all the information is properly stored as tables.

**• What is SQL :**

Structured Query Language

* It is a computer language for storing, manipulating and retrieving data stored in relational database.
* It is standard language for all relational database managementsystems like MySQL,MS Access, Oracle, Sybase , Informix .

**• 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 command clause that combines records from two or more tables in a Database.
* It is a means of combining data in fields from tables by using values common to each table.

**• Write type of joins.**

* Inner joint
* Left joint
* Right joint
* Full outer joint

**• How Many constraint and describes it self :**

1. **Primary key: used to identify data uniquely in a table**

* Never deplicate
* Never conatin multiple data
* Never contain null values
* Can only apply on single column of the table
* This key is by default NOT NULL

**2.Foreign key: It is the reference of primary key from another table**

* It represents primary key of another table
* It can be null
* Data can be duplicate
* It can be applicable on one of more columns of table

**3.Unique key: To identify data uniquely from a table**

* It can accept multiple value in same place
* It can be applicable on one or more columns of a table

**4.NOT NULL:**

* It can be applicable on one or more columns of a table
* It force the column not to accept null values

• Difference between RDBMS vs DBMS :

|  |  |
| --- | --- |
| **DBMS** | **RDBMS** |
| It stands for “database management system” | It stands for **“ relational** database management system. |
| it stores the data in form of files. | It stores the data in the form of tables. |
| it is designed to handle small amounts of data. | It is design to deal with vast amount of data. |
| no relationship between data. | Data is stored in the form of tables which are related to each other. |
| Data elements need to access individually. | Multiple data elements can be accessed at the same time. |
| Data fetching is slower for the large amount of data. | Data fetching is fast because of relational approach. |
| Examples: XML, window Registry,  Forxpro etc. | Examples: MySQL, SQL server, Oracle, Microsoft Access etc. |

**• What is API Testing :**

* It is a software interface that allows two application to interact with each other without any user intervention .
* The purpose of API testing ids to check the functionality, reliability, performance and security of the programming interface.

**• Types of API Testing :**

**Types**

open APIs partner APIs internal APIs

**• What is Responsive Testing?**

* Responsive technique is a process that enables to check how well a website works on various types of devices, including desktops, and smartphones.
* It ensures that website is not only cross browser compatible but also adjusts to screen resolution changes.

**• Which types of tools are available for Responsive Testing :**

* LT browser
* Lembda testing
* Google resizer
* I am responsive
* Pixel tuner

**• What is the full form of .ipa, .apk :**

**.apk:** android application package

**.ipa:** intelligent process automation

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

**Step 1:** Go to setting > about phone

**Step 2:** Scroll down to builder number

**Step 3:** Tap build number 7 times. After the first few steps , you should see the steps counting down until you unlock the developer options.you may also have to tap in your pin verification.

**Step 4:** Once developer options are activated, it will show a

message that reads , you are now a developer.

**Step 5:** Go back to settings pane and head to system , where that will show developer options as an entry.

**Step 6:** Tap it and toggle the switch on if it is not already, and from there, it can proceed to make adjustment in phone.