### Module 3 (Testing on Live Application)

* What is RDBMS

RDBMS stands for Relational Database Management System.

A Relational database management system is a database management system that is based on the relational model as introduce by E. F. Codd.

* What is SQL

SQL is stands for structural Query language. Which is a computer language for storing, manipulating and retrieving data store in relational database.

SQL is standard language for Relation Database System. All relational database management systems are like MySQL, MS Access, Oracle, Sybase, Informix, postgres and SQL Server use SQL as a standard database language.

* Write SQL Commands

SQL Commands are the instruction which helps to communicate with database

There are Five types of Commands.

1. DDL – Data Definition Language.
2. DML – Data Manipulation Language.
3. DCL – Data Control Language.
4. TCL – Transaction Control Language.
5. DQL – Data Query Language.

* What is join?

The SQL JOIN is a command clause that combines record from two or more tables in a database. It is a means of combining data in fields from two tables by using values commands to each tables.

* Write type of joins.

There are four types of JOIN.

1. INNER JOIN
2. LEFT JOIN
3. RIGHT JOIN
4. FULL JOIN

* How Many constraint and describes it self

There are seven types of constraints

1. NOT NULL – Ensures that a column cannot have a NULL value.
2. UNIQUE – Ensures that all values in a column are different.
3. PRIMARY KEY – A combination od a NOT NULL and UNIQUE. Uniquely identifies each row in a table.
4. FOREIGN KEY – Prevents actions that would destroy links between tables.
5. CHECK – Ensures that the value in a column satisfies a specific condition.
6. DEFAULT – Sets a default value for a column if no value is specified.
7. CREAT INDEX – Used to create and retrieve data from the database very quickly.

* Difference between RDBMS vs DBMS

|  |  |
| --- | --- |
| **DBMS** | **RDBMS** |
| The data is saved in file format. | The data is saved in table format. |
| Individual data element access | Multiple data elements are available at the same time. |
| There is some normalization | Normalization is not possible. |
| There is not support for distributed. | Database support for distributed system. |
| The amount of data stored is small | A large amount of data is stored. |
|  |  |
|  |  |

* What is API Testing

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

API is a set of procedures, functions and other point of access that an application, an operating system, a library, etc.

* Types of API Testing

There are mainly 3 types of API Testing

1. 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.
2. Partner APIs – Specifics rights or licenses to access this type of API because they are not available to the public.
3. Internal APIs – Internal or private. This APIs are developed by companies to use in their internal systems. It helps you to enhance the productivity of your teams.

* What is Responsive Testing?

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

Software testers may find it challenging to perform responsive design testing as a variety of factors are to looked into during the testing phase.

* Which types of tools are available for Responsive Testing

There are some types of tools are available for Responsive testing.

1. LT Browser
2. Lemda testing
3. Google resizer
4. I am responsive
5. Pixel tuner

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

Ipa stands for intelligent process automation.

Apk stands for android application package

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

1. Go to the setting on your Mobile phone
2. Click on About phone
3. Scroll down to Build number
4. Tap Build Number thee – four times
5. You will see the Message that reads, You are now a developer.

* To check

Done.