**Module 3 (Testing on live application)**

What is RDBMS

RDBMS stands for relational database management systems. It is basically a program that allows us to create, delete, and updates a relational database.

RDBMS stand for Relational database management system. RDBMS is the basis for SQL and for all modern database systems like MS SQL Server, IBM, DB2, My SQL, and Microsoft Access.

# What is SQL?

SQL is structured query language which is a computer language for storing, manipulating and retrieving data stored in relational database system.

# Write SQL command?

DDL – Data Definition Language

DML – Data Manipulation Language

DCL – Data Control Language

DQL – Data Query Language

# What is joins

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

Write types of joins.

INNER JOIN: Return rows when there is a match in both tables.

LEFT JOIN: Return all rows from the left table, even if there are no matches in the right tables.

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.

How many constraints and describes it self

* NOT NULL

This constraint tells that we cannot store a null value in a column.

* UNIQUE

These constraints when specified with a column, tells that all the values in the column must be unique.

* PRIMARY KEY

A primary key is a field which can uniquely identify each row in a table. And this constraint is used to specify a field in a table as primary key.

* FOREIGN KEY

A foreign key is a field which can uniquely identify each row in another table. And this constraint is used to specify a field as foreign key.

* CHECK

This constraint helps to validate the values of a column to meet a particular condition. That is, it helps to ensure that the value stored in a column meets a specific condition.

# DIFFERENT BETWEEN RDBMS AND DBMS

|  |  |
| --- | --- |
| DBMS | RDBMS |
| Data elements needs to access individually. | Multiple data elements can be accessed at the same time. |
| No relationship between data. | Data is stored in the form of tables which are related to each other. |
| Normalization is not present. | Normalization is present. |
| DBMS does not support distributed database. | RDBMS support distributed database. |
| It stores data in either a navigational or hierarchical form. | It uses a tabular structure where the headers are the column names, and the rows contain corresponding values. |
| It deals with small quantity of data. | It deals with large amount of data. |
| It is used for small organization and deal with small data. | It is used handle large amount of data. |
| It is supporting single user. | It is supporting multiple users. |
| Data fetching is slower for the large amount of data | Data fetching is fast because of relational approach. |
| Low software and hardware necessities. | Higher software and hardware necessities. |
| Example: XML, Windows registry, FoxPro, dbaseplus etc. | Example: MySQL, PostgreSQL, SQL Server, Oracle, Microsoft Access etc. |

# 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.

Another definition (application programming interface) is a computing interface which enables communication and data exchange between two separate software system.

## Types of API Testing

There are mainly 3 types of API testing

1. Open APIs
2. Partner APIs
3. Internal APIs

# 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.

# Which type of tool are available for responsive testing.

* LT Browser
* Lambda Testing
* Google Resizer
* I am responsive
* Pixel Tuner

# What is the full form of apk and ipa

APK – Android Application Package

IPA – Intelligent process automation.

# How to create step for to open developer mode ON?

Mobile Setting

About Phone

Build Version (Tap 7 Times)

You’re a now Developer