Module 3 : (Testing on live application)

1. What is RDBMS ?

: A Rational Database Management System (RDBMS) is a software used to create, update, and manage relational databases. It organizes data into tables, rows, and columns, allowing relationships between different data points.

1. What Is SQL ?

: SQL is a Structured Query Language, which is a computer language for storing, manipulating, retrieving data stored in relational database.

1. Write SQL commands.

**: SQL commands are Four.**

1. DDL : Data Definition Language (Create, alter, rename, drop)
2. DML : Data Manipulation Language (Insert, Update, Delete)
3. DCL : Data Control language(Grant, Revoke)
4. DQL : Data Query Language (select)
5. What is Join ?

: In SQL, a join combines data from two or more tables into a single dataset. It allows you to retrieve information by matching records based on given condition.

1. Write type of joins :

**: There are four type of joins.**

1. Inner join
2. Left (Outer) Join
3. Right (Outer) join
4. Full (Outer) join
5. How many constraints and describe Itself ?

**: The SQL Standard define Seven 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 :- It combines both Unique and Not null. It identifies each row in table Uniquely.
4. Foreign Key :- it requires that every entry in column must already exist in a specific column from another table.
5. Check :- It ensures that values in column satisfy a specific condition.
6. Default :- It sets a default value for a column if no value is specified during insertion.
7. Create Index :- It used to create and retrieve data from database quickly.
8. Difference between DBMS and RDBMS .

|  |  |  |
| --- | --- | --- |
| Criteria | DBMS | RDBMS |
| Data Storage | It stores data as files.(e.g. XML) | It stores data in tabular form(tables) with predefines columns and rows.(e.g. MySQL) |
| Access to data | Individual data elements accessed separately. | Multiple data elements can be accessed simultaneously. |
| Data relationships | No Explicit relationships between data. | Data is stored in related tables. |
| Data Handling Capacity | Small quantity of data. | Large quantity of data. |
| Users | Single user. | Multiple users. |
| Data Fetching Speed | Slower for large data. | Faster due to relational approach. |

1. What is API Testing ?

: Application Programming Interface (API) is a software interface that allows two application 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.

1. Types of API testing .

**: There are mainly three types of API testing :**

1. Open API
2. Partner API
3. Internal API
4. What is Responsive Testing ?

: Responsive testing ensures that website function well across various devices including Desktops and mobile phones. It involves checking how a website adopts different screen sizes and resolutions.

1. Which type of tools are available for Responsive testing ?

**: There are mainly Five tools.**

1. LT Browser
2. Lambda Testing
3. Google Resizer
4. I am responsive
5. Pixel tuner
6. What is the full form of .ipa. .apk

* .ipa : iOS Appstore package.
* .apk : Android application package.

1. How to create step for to open the developer option mode on ?

**: Steps for enable developer option on android mobile device are following :-**

1. Unlock your phone :- Make sure phone is unlocked and on the home screen.
2. Open settings :- Swipe down from the top of your screen to access the notification panel, then tap the gear- shaped settings icon.
3. Navigate to about phone :- scroll down and find the section labelled “About phone”.
4. Tap build number :- In the About section, locate the “Build number” entry. Tap it seven times in quick succession. You will see a message saying “You are now a developer!” or something similar.
5. Access developer option :- Go back to the main settings screen. Scroll down and you will find a new option called “Developer option” or “System”(depending on your device). Tap it to access the developer settings.