

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 update a relational database.
- RDBMS is the basis for SQL, and for all modern database systems like MS SQL Server, Oracle, MySQL etc.

❖ What is SQL

- SQL is Structured Query Language, which is a computer language for storing, manipulating and retrieving data stored in relational database.
- some use of SQL are access a database, retrieve data, insert new records delete- update records etc

❖ Write SQL Commands

- Four type of SQL Commands

1.DDL – Data Definition Language:create,alter,drop,truncate,rename.

2.DML – Data Manipulation Language:insert,update,delete.

3.DCL – Data Control Language:rollback,commit

4.DQL – Data Query Language:

❖ What is join?

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

❖ Write type of joins

➤ Four Types of Join

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
a. matches in the right table.
3. RIGHT JOIN: returns all rows from the right table, even if there are no
4. matches in the left table.
5. FULL JOIN: returns rows when there is a match in one of the tables.

❖ How Many constraint and describes it self

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

❖ Difference between RDBMS vs DBMS

RDBMS	DBMS
DBMS stores data as file.	RDBMS stores data in tabular form.
elements need 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 supports 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.

Data redundancy is common in this model.	Keys and indexes do not allow Data redundancy.
It is used for small organization and deal with small data.	It is used to handle large amount of data.
Not all Codd rules are satisfied.	All 12 Codd rules are satisfied.
Security is less	More security measures provided.

❖ What is API Testing

- API stand for Application Programming Interface.
- it is a computing interface which enables communication and data exchange between two separate software systems.
- The purpose of API Testing is to check the functionality, reliability, performance, and security of the programming interfaces.

❖ 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. So, they are also known as Public APIs.

2.Partner APIs: Specific rights or licenses to access this type of API because they are not available to the public.

3.Internal APIs: Internal or private. These 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?

- responsive testing ensures how responsive web design is optimized well for all types of screen sizes and resolutions.

❖ Which types of tools are available for Responsive Testing

- many tools are available for responsive testing like
 - LT Browser
 - Lambda Testing
 - Google Resizer
 - I am responsive
 - Pixel tuner

❖ What is the full form of ipa, apk.

- IPA -IOS Application Package
- APK-Android Application Package

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



- Go to "Settings" on your device.
- Scroll down and find "About phone" and tap on it.
- Look for "Build number" or "Software information" and tap on it 7 times.
- You will see a message of "You are now a developer!".
- Now, go back to the main "Settings" menu, and you will find "Developer options" listed there. Tap on it to open.
- You can now access and customize various developer settings on your device.