Assignment - 3

1. What is RDBMS
-> RDBMS means relational database management system.

2. What is SQL
-> SQL is a query language used to interact with databases it allows testers to fetch test data, verify data integrity, validate backend operations, and ensure that the application correctly stores and retrieves data.

3. Write SQL Commands
-> DDL - Data Definition Language
   CREATE,
   ALTER,
   DROP

-> DQL – Data Query Language
   SELECT

-> DML – Data Manipulation Language
   INSERT,
   UPDATE,
   DELETE

-> DCL – Data Control Language
   GRANT,
   REVOKE

4. What is join?
-> Join is an SQL feature that allows testers to retrieve related data from multiple tables using a common field (usually a primary key and foreign key relationship).

5. Write type of joins.

-> INNER JOIN:

Returns only the rows that have matching values in both tables

-> LEFT JOIN:

Returns all rows from the left table, and matched rows from the right table.
If there's no match, Nulls are returned from the right table

-> RIGHT JOIN:

Returns all rows from the right table, and matched rows from the left table.
If there's no match, Nulls are returned from the left table

-> FULL JOIN:

Returns all rows when there is a match in either left or right table.
Rows without a match in one of the tables will still be included with Null

6. How Many constraint and describes it self
NOT NULL

Ensures that a column cannot have NULL (empty) values.

UNIQUE

Ensures that all values in a column are different (no duplicates)

PRIMARY KEY

Uniquely identifies each record in a table (combines NOT NULL +
UNIQUE)

FOREIGN KEY

Links two tables together. Ensures that a value in one table exists
in another

CHECK

Ensures that all values in a column satisfy a specific condition

DEFAULT

Provides a default value if no value is specified.

7. Difference between RDBMS vs DBMS

DBMS	RDBMS
Stores data in files or hierarchical form.	Stores data in tables (rows and columns) with relationships.
No relationship between data works independently.	Maintains relationships using foreign keys and primary keys.
Limited data integrity and consistency rules.	Enforces constraints (like primary key, foreign key,) for data accuracy.
EX: File System, dBase	EX: MySQL, Oracle, SQL Server
Used for simple, standalone applications	Used in modern application

8. What is API testing ?
-> API Testing is a process of sending requests to an API and checking the responses to ensure that the system behaves as expected.
-> It validates whether the communication between different software components works correctly.

9. Types of API testing.
-> There are mainly 3 types of API Testing
1. Open APIs
2. Partner APIs
3. Internal APIs

10. What is Responsive Testing?
-> Responsive Testing is the process of checking whether a web application's layout, design, and functionality automatically adjust to fit various screen resolutions, orientations, and devices without any issues.

11. Which types of tools are available for responsive testing ?

-> Browser Tools, Online Tools, Cloud Tools and Automation Tools is Available for Responsive Testing.

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

-> .IPA : Ios AppStore Package

-> .APK : Android package kit

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

Step 1 : open the setting app in your mobile.

Step 2 : click to about device

Step 3 : click to version button

Step 4 : click to build number button

Step 5 : click the build number button after the devloper option mode ON