**Module 3rd assignment**

1. **What is RDBMS**

RAdms means relational data base management system.

2. **What is SQL**SQL is Structured Query Language, which is a computer language for

storing, manipulating and retrieving data stored in relational database.

SQL is the standard language for Relation Database System

**3. Write SQL Commands**

**DDL –** Data Definition Language

**DML –** Data Manipulation Language

**DCL –** Data Control Language

**DQL –** Data Query Language

**4. What is join?**

A JOIN clause is used to combine rows from two or more tables, based on a related column between them. Let's look at a selection from the "Orders" table:

**5. Write type of joins.**

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

**LEFT JOIN:** returns all rows from the left table, even if there are no

matches in the right table.

**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.

**6. How Many constraints and describes it self**

Primary Key Constraint: Ensures that each row in a table is uniquely identified.

Foreign Key Constraint: Maintains referential integrity between two tables.

Unique Constraint: Ensures that values in a column or a combination of columns are unique.

Check Constraint: Validates data based on a condition.

Default Constraint: Provides a default value for a column if no value is specified.

**7. Difference between RDBMS vs DBMS**

DBMS (Database Management System): Manages databases, provides an interface for interaction, and ensures data integrity and security.

RDBMS (Relational Database Management System): A type of DBMS that organizes data into tables with predefined relationships. It enforces ACID properties (Atomicity, Consistency, Isolation, Durability).

**8. What is API Testing**

API Testing (Application Programming Interface Testing): Testing the collection of software functions and procedures (APIs) to ensure they work as expected. It involves testing API endpoints, data communication, and response validation.

**9. Types of API Testing**

Unit Testing: Testing individual functions or methods.

Integration Testing: Testing interactions between different components.

Functional Testing: Testing the functionality of APIs.

Load Testing: Testing performance under various loads.

Security Testing: Ensuring API security.

Penetration Testing: Identifying vulnerabilities through simulated attacks.

**10. What is Responsive Testing?**

Responsive Testing: Ensuring a web application or website functions and displays correctly across various devices and screen sizes.

**11. Which types of tools are available for Responsive Testing**

Tools available for Responsive Testing:

Browser Stack

Cross Browser Testing

Responsinator

Chrome DevTools

Ghostlab

**12.What is the full form of IPA, APK**

IPA ;iOS Application Archive (for iOS apps).

APK; Android Application Package (for Android apps).

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

Steps to open Developer Options:

Android: Go to Settings -> About phone -> Tap "Build number" seven times.

iOS: Not applicable. iOS doesn't have a universal Developer Options mode like Android.