**Module-3**

**1)What is RDBMS**

**relational database management system**. While a relational database organizes data based off a relational data model, a relational database management system (RDBMS) is a more specific reference to the underlying database software that enables users to maintain it.

**2) What is SQL**?  
Structured Query Language SQL is **a database tool that is used to create and access the database to support software applications**.

**3) Write SQL Commands** SELECT - extracts data from a database.

UPDATE - updates data in a database.

DELETE - deletes data from a database.

INSERT INTO - inserts new data into a database.

CREATE DATABASE - creates a new database.

ALTER DATABASE - modifies a database.

CREATE TABLE - creates a new table.

4) What is join?

JOIN is **an SQL clause used to query and access data from multiple tables, based on logical relationships between those tables**. In other words, JOINS indicate how SQL Server should use data from one table to select the rows from another table.

5) Write types of join?

Four types of joins: **left, right, inner, and outer**.

6) How many constraints and describe ?

* NOT NULL Constraint.
* UNIQUE Constraint.
* DEFAULT Constraint.
* CHECK Constraint.
* PRIMARY KEY Constraint.
* FOREIGN KEY Constraint.

7) Difference between DBMS and RDBMS?

In DBMS, data stores either in either a navigational or hierarchical form. RDBMS uses tabular structures to store data. In table headers are the column names and the rows contains corresponding values. NoSQL uses to store data in structured, semi-structured and unstructured forms.

8) What is API Testing

API testing is **a type of software testing that analyzes an application program interface (API) to verify that it fulfills its expected functionality, security, performance and reliability**. The tests are performed either directly on the API or as part of integration testing.

9) Types of API Testing

With these tools you can perform functional, security, and performance/load testing.

10) What is responsive testing

Most responsive design tests start with visual testing. This testing **ensures that the UI of the app/website looks the same across devices and browsers**. For example, the color of a banner on an Android app may look different across various Samsung mobile phones, possibly due to differences in color codes.

11) Which Types of tool are available for responsive testing?

* Bootstrap. Bootstrap is a free, open source tool for building mobile-first responsive websites. ...
* Wirefy. Wirefy is a free tool for easily creating responsive wireframes. ...
* FitVids. ...
* Adaptive Images. ...
* FitText. ...
* Webflow. ...
* Invision. ...
* Blueberry.

12) what is full form of IPA and APK

**iPA: iOS APP Store Package**. **APK: Android Application Package file**. exe: Executable File

13) how to create step for open the developer option mode on

1. Open the Settings app, scroll down to the bottom of the list and select About phone or About device. ...
2. Scroll down the About phone menu to find the Build Number.
3. Tap the Build Number seven times. ...
4. Enter your PIN or pattern to enable the Developer Options menu.