**Module-3**

1. **What is RDBMS?**

* RDBMS is (Relational Database Management System) Which can be used to store, delete and retrieval data from the database with the help of functions and query.

1. **What is SQL?**

* SQL is a Structure Query Language. Which is used the store, delete, update, and retrieve data from the database with the help of commands.

1. **Write SQL commands.**
2. Select- Select is used to extract data from the database.
3. Update- Update is used for update database.
4. Delete- Delete is used for delete data from the database.
5. Insert- Insert is used to insert data into database.
6. Create database- is used to create new data into database
7. Create table- is used to create table in database
8. Alter database- is used to modifies database
9. **What is join?**

* Join is a clause in structured query language which is used to combine column from one tables into a new tables.

1. **Write type of join?**

* **There are 4 type of join;**

1. Inner join – Returns records that have matching values in both tables.
2. Outer Join – Returns records when there is a match in either left table or right table.
3. Left join - Returns all the records from the left table, and matching records from right tables.
4. Right join – Returns all the records from the right tables and matching records from the left tables.
5. **How many constraints and describe it self.**

* **Not Null –** Ensures that the column does not have a null value
* **Unique –** Ensures that the all values are available in column re different
* **Primary key -** A combination of a not null and unique is primary key. Uniquely identifies each row in a table.
* **Foreign key –** Prevents actions that would be destroy the links between the tables.
* **Check -** Ensures that the values in a column satisfies all the specific condition
* **Default –** Sets a default values for column if no value is satisfied
* **Create index –** used to create and retrieve data from the database very quickly.

1. **Difference between RDBMS and DBMS.**

|  |  |
| --- | --- |
| **RDBMS** | **DBMS** |
| Relational database management system | Database management system |
| stores data in tables and these tables are related to each other | Stores data in hierarchical form and navigation form of files |
| In RDBMS normalization can be performed | In DBMS normalization can not be performed |
| There is a low data redundancy | There is a high data redundancy |
| Provide more security to data | Provide low security to data |
| Easier way to modify data | Hard to modify the data |
| Suitable for store large amount of data | Suitable for small amount of data |
| Ex; Microsoft access, Libra office, and dBase | Ex; MSSql, My sql, Oracle, Sql Lite |

1. **What is API testing?**

* API (Application Programming Interface) testing is a software interface that allows two applications to interact with each other without any user interventions.
* API testing is used for to check performance, reliability, security and functionality of the programming interface.

1. **Types of API testing?**

* There are 3 main type of API testing
* **Open APIs –** Open APIs is open publicly available to use OAuth APIs from google.It has no restriction to use Open APIs. They are also known as public APIs.
* **Partner APIs –** Specific rights and licenses are needed to use partner APIs. It is not available publicly like open APIs.
* **Internal APIs –** These type are APIs are private or internal. Internal APIs are developed by company for their personal use or internal use only. It will help to enhance the productivity of the teams.

1. **What is responsive testing?**

* A responsive web design involves creating a flexible web page that accessible from any device, to start from a mobile to tablet or a desktop.
* A responsive web design is help to improve the user browsing experience.

1. **Which type of tools are available for responsive testing?**

* LT browser
* Lembda testing
* Google resizer
* Pixel tuner
* I am responsive

1. **What is the full form of .ipa and .apk**

**.ipk :-** IOS package app store

**.apk :-** Android package kit

1. **How to create step for to open the developer mode ON?**

* Go to setting – about phone

Tap software info - Build number

Tap build number seven time

Once developer options are activated, you will see a message that read, you are now a developers.

Go back to setting page, where you will find the developer option as an entry.

Tap it and toggle the switch on if it is not already, and from there you can process to make adjustment to your phone.