Module 3 Assessment

1. What is RDBMS?

RDBMS: Relational Database Management System. It’s a program that’s used to create, update and manage relational databases.

It stores data in form of Tables (Rows & Columns), with most commercial database management systems using Structured Query Language(SQL) to access the database.

1. What is SQL?

SQL: Structured Query Language

It is a domain specific language used in programming and designed for managing data held in a Relational Database Management System(RDBMS).

1. Write SQL Commands

* DDL: Data Definition Language

Create Table, Create Database, Use, Truncate etc.

* DML: Data Manipulation Language

Insert, Update, Delete

* DQL: Data Query Language

Select

* DCL/ TCL: Data Control Language/ Transactional Control Language

Commit/ rollback etc.

1. What is JOIN?

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

1. Write types of Joins

Following are the Different types of JOINS:

* + - INNER JOIN: Returns the records that have matching values in both tables.
    - LEFT (OUTER) JOIN: Returns all records from the left table, and the matched records from the right table.
    - RIGHT (OUTER) JOIN: Returns all records from the right table, and the matched records from the left table.
    - FULL (OUTER) JOIN: Returns all records when there is a match in either left or right table.

1. How many constraints are there and describe itself?

Constraints:

PRIMERY KEY: Unique+ not null

FOREIGN KEY: Depends on Primary Table

UNIQUE KEY: Only Unique Value, Blank Allowed

CHECK: Condition you should apply

NOT NULL: Not to be Blank

DEFAULT: Fixed Value

INDEX: When you search some record at that time apply indexing

1. Difference between RDBMS vs DBMS

|  |  |
| --- | --- |
| RDBMS | DBMS |
| Data is stored in the form of tables. | DBMS stores data as a file. |
| RDBMS supports multiple users, means supports Client – Server Architecture. | DBMS supports single user only, so does not support Client – Server Architecture. |
| It requires high hardware and software. | Its software and hardware needs are low. |
| Multiple data elements can be accessed at the same time using SQL query. | Data elements needs to access individually. |
| Stores Data in the forms of rows and columns. | Hierarchical arrangement of data. |
| Examples are MySQL, Oracle, SQL Server etc. | Examples are a file system, XML, Windows Registry etc. |

1. What is API Testing?

API Testing: API Testing is to check the functionality, reliability, performance and security of the programming interfaces.

(API: Application Programming Interface is a computing interface which enables communication and data exchange between two separate software systems.)

1. Types of API Testing

There are 3 types of API Testing:

* + - Open API: These types of APIs are publically available to use like OAuth APIs from Google. It has also not given any restriction to use them.
    - Partner APIs: Specific rights or licenses to access this type of API because they are not available to public.
    - 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.

1. What is Responsive Testing?

Responsive testing is a process that ensures a website or web application works well on different devices.

It involves testing the web site’s design, functionality and performance on various screen sizes, orientation and resolutions.

1. Which types of tools are available for Responsive Testing?
   * + LT Browser
     + Lembda Testing
     + Google Resizer
     + I am responsive
     + Pixel tuner
2. What is the full form of .ipa, .apk?

Full form of

.ipa: IOS Appstore Package

.apk: Android Application Package/Kit

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

To open developer option ON , the steps are as following:

1. Open Settings
2. Tap About Phone / About Device
3. Tap Software Info/ Version Info
4. Tap Build Number multiple times (7 times in a go)
5. Enter your security code if prompted
6. The Developer options menu will appear in your settings menu