SOFTWARE TESTING

ASSIGNMENT

MODULE 3

Q1what is RDBMS?

The software used to store, manage, query, and retrieve data stored in a relational database is called a relational database management system (RDBMS). The RDBMS provides an interface between users and applications and the database, as well as administrative functions for managing data storage, access, and performance.

Q2 what is SQL?

SQL is Structured Query Language, which is a computer language for storing, manipulating and retrieving data stored in relational database.

Q3 write SQL commands.

⚫ **DDL** – Data Definition Language

⚫ **DML** – Data Manipulation Language

⚫ **DCL** – Data Control Language

⚫ **DQL** – Data Query Language

Q4 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.

Q5 what is API testing?

Application Programming Interface (API) **is a software interface that allows two applications to interact with each other without any user intervention.**

Q6 Types of API testing.

⚫ **There are mainly 3 types of API Testing**

⚫ **Open APIs:** These types of APIs are publicly available to use like OAuth APIs from Google. It has also not given any restriction to use them. So, they are also known as Public APIs.

⚫ **Partner APIs:** Specific rights or licenses to access this type of API because they are not available to the 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.

Q7 What is Responsive Testing?

A responsive web design involves creating a flexible web page that is accessible from any device, starting from a mobile phone to a tablet.

Q8 Which types of tools are available for responsive testing.

⚫ LT Browser

⚫ Lembda Testing

⚫ Google Resizer

⚫ I am responsive

⚫ Pixel tuner

Q9 what is the full form of IPA,APK.

IPA - Instruction Per Second

APK - Android Application Package

Q10 Difference between RDBMS vs DBMS

|  |  |
| --- | --- |
| DBMS | RDBMS |
| [DBMS](https://www.geeksforgeeks.org/introduction-of-dbms-database-management-system-set-1/) stores data as file. | [RDBMS](https://www.geeksforgeeks.org/rdbms-architecture/) stores data in tabular form. |
| Data elements need to access individually. | Multiple data elements can be accessed at the same time |
| No relationship between data. | Data is stored in the form of tables which are related to each other. |
| Normalization is not present. | Normalization is present. |
| DBMS does not support distributed database. | RDBMS supports distributed database |
| It stores data in either a navigational or hierarchical form. | It uses a tabular structure where the headers are the column names, and the rows contain corresponding values. |
| It deals with small quantity of data. | It deals with large amount of data |

Q11 How many constraint and describes it self

* PRIMARY KEY

A primary key is the column or colomns that contain values that uniqly identify each row in a table.

* SECONADRY KEY

Secondary Key is the key that has not been selected to be the primary key. However, it is considered a candidate key for the primary key.

* FOREIGN KEY

A foreign key is a column or columns of data in one table that refers to the unique data values -- often the [primary key](https://www.techtarget.com/searchdatamanagement/definition/primary-key) data -- in another table. Foreign keys link together two or more tables in a [relational database](https://www.techtarget.com/searchdatamanagement/definition/relational-database).

Q12 How to create step for to open the developer option made on?

1. Step One: Open Settings. On the Android device, open the Settings App.
2. Step Two: Find the Bundle Number. The Build Number for your phone varies depending on what Android you use. ...
3. Step Three: Tap the Build Number 7 times. ...
4. Step Four: Enable USB Debugging.