***Software Testing {Assignment}***

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* **MODULE – 3[Testing On Live Application]**

**Question .1}** **What is RDBMS**

**Answer**:

RDBMS stands for Relational Database Management System. RDBMS is the basis for SQL, and for all modern database systems like MS SQL Server, IBM DB2, Oracle, MySQL, and Microsoft Access.

**Question .2}** **what is SQL**

**Answer**:

SQL is a domin- specific language used in progmming and designed for managing date held in a relational database management systm

**Question .3}** **Write SQL Commands**

**Answer**:

There are 4 Commands

1) DDL (Data Definition Language)

2) DML (Data Manipulation Language)

3) DQL (Data Query Language)

4) DCL/TCL : Data/Transaction Control Language.

**Question .4}** What is join?

**Answer**: **The SQL JOIN is a command clause that combines records from two or more tables in a database. It is a means of combining data in fields from two tables by using values common to each table.**

**Question .5}** **Write type of joins**

**Answer**: **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.

**Question .6}** **How Many constraint and describes it self**

**Answer**: A) Constraints : Restricting the Columns.

a) primary key : unique + not null

b) foriegn key : it depends on the primary table

c) unique key : only unique value

d) check : condition you should apply.

e) not null : no blank values.

f) auto\_increment : it will increase the value by 1.

**Question .7}** **Difference between RDBMS vs DBMS**

**Answer**:

**RDBMS:** its store data in the form of tables(rows and colums),with most commercial relational database management systems using structured Query Language (SQL)to access the database.

**DBMS:** Database Management Systm (DBMS) is a collection of programs that enable its user to access database , manipulate data, report, and represent data.

**Question .8}** **What is API Testing**

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

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

**Question .9}** **Types of API Testing**

**Answer**: **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

**Question .10}** **What is Responsive Testing?**

**Answer**:

A responsive web design involves creating a flexible web page that is accessible from any device, starting from a mobile phone to a tablet. Furthermore, a responsive web design improves users’ browsing experience. Considering this from a quality assurance perspective, a responsive web design requires thorough evaluation using a variety of devices before it is ready to go live.

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

**Answer:** LT Browser

Lembda Testing

Google Resizer

I am responsive

Pixel tuner

**Question .12**} **What is the full form of .ipa, .apk**

**Answer: ipa- International Phonetic Alphabet**

**Apk- Android package kit file format.**

**Question .13} How to create step for to open the developer option mode ON?**

**Answer: 1) Create : To create database/table**

**i) Database:**

**syntax: create database database-name;**

**e.g : CREATE DATABASE testing7to8;**

**to use Database write query as.**

**e.g use testing7to8;**

ii) Table :

syntax:

create table table-name

(

col-name1 data-type constraint,

col-name2 data-type constraint,

col-name3 data-type constraint,

..........

col-name4 data-type constraint

);

e.g

CREATE TABLE employee

(

e\_id INT PRIMARY KEY,

e\_name VARCHAR(20) NOT NULL,

e\_mobile BIGINT NOT NULL

);