TOPS TECHNOLOGIES

**Software testing assignment**

**Module-3(Testing on Live Application)**

**1 What is RDBMS ?**

= RDBMS stands for Relational Database Management System. RDBMS is a program used to maintain a relational database. RDBMS is the basis for all modern database systems such as MySQL, Microsoft SQL Server, Oracle, and Microsoft Access. RDBMS uses SQL queries to access the data in the database.

**2 What is SQL ?**

= Structured query language (SQL) is a programming language for storing and processing information in a relational database.

**3 Write SQL commands ?**

= DDL–DataDefinitionLanguage

DML–DataManipulationLanguage

DCL–DataControlLanguage

DQL–DataQueryLanguage

**4** **What is join ?**

= • A join is an SQL operation performed to establish a connection between two or more database tables based on matching columns, thereby creating a relationship between the tables.

• Most complex queries in an SQL database management system involve join commands.

• SQL Join statement is used to combine data or rows from two or more tables based on a common field between them.

**5 Write type of join ?**

=  **1. INNER JOIN**

**2. LEFT JOIN**

**3. RIGHT JOIN**

**4. FULL JOIN**

**6 How many constraint and describes it self ?**

= Not Full: Ensure that a column cannot have a null value.

Unique: Ensure that all values in a column are different.

Primary Key: A combination of a not null and unique.

Foreign Key: Prevents actions that would destroy links between tables.

Check: ensure that the values in a column if no value is specified.

Default: Sets a default value for a column if no value is specified.

Creat Index: Used to creat and retrieve data from the database very quickly.

**7 Difference between RDBMS vs DBMS**

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**8 What is API testing**

=Application Programming Interface(API) is a software inter face 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.

**9 Types of API Testing ?**

= **Open API:**These types of API sare 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 API:** Specific right or licence to access this type API because they're notava liable To the public.

**Internal API**: 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.

**10 What is Responsive testing ?**

= A responsive web design involves creating a flexible webpage that is accessible from any device,starting from mobilephonetoatablet.

= Furthermore, a responsive web design improves users’ browsing experience.Considering This From A Quality Assurance Perspective,responsive web design requires thorough evaluation using a variety of devices before it is ready to go live.

**11 Which types of tools are available for responsive testing**

= LT Browser

= LembdaTesting

= GoogleResizer

= Iamresponsive

= Pixeltuner

**12 What is the full form of ‘ipa’ and ‘apk’ ?**

= **APK:**Android Application Package

= **IPA:** Intelligent process automation

**13 How to create step for to open the developer option mode on ?**

= About phone- developer option - USB debugging- USB debugging mode, press ok.