1. What is RDBMS?

All modern database management systems like SQL, MS SQL Server, IBM DB2, ORACLE, My-SQL, and Microsoft Access are based on RDBMS. It is called Relational Database Management System (RDBMS) because it is based on the relational model introduced by E.F. Codd.

1. What is SQL?

SQL stands for Structured Query Language. SQL lets you access and manipulate databases. SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 1987.

1. Write SQL commands?

There are five types of SQL commands: DDL, DML, DCL, TCL, and DQL.

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 join?

Inner join, Outer join, Left Join, Right Join

1. How many constraints and describe it self?

[NOT NULL](https://www.w3schools.com/sql/sql_notnull.asp) - Ensures that a column cannot have a NULL value

[UNIQUE](https://www.w3schools.com/sql/sql_unique.asp) - Ensures that all values in a column are different

[PRIMARY KEY](https://www.w3schools.com/sql/sql_primarykey.asp) - A combination of a NOT NULL and UNIQUE. Uniquely identifies each row in a table

[FOREIGN KEY](https://www.w3schools.com/sql/sql_foreignkey.asp) - Prevents actions that would destroy links between tables

[CHECK](https://www.w3schools.com/sql/sql_check.asp) - Ensures that the values in a column satisfies a specific condition

[DEFAULT](https://www.w3schools.com/sql/sql_default.asp) - Sets a default value for a column if no value is specified

[CREATE INDEX](https://www.w3schools.com/sql/sql_create_index.asp) - Used to create and retrieve data from the database very quickly

1. Difference between RDBMS and DBMS?

| **DBMS** | **RDBMS** |
| --- | --- |
| Stores data as file. | 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. |
| Data redundancy is common in this model. | Keys and indexes do not allow Data redundancy. |
| It is used for small organization and deal with small data. | It is used to handle large amount of data. |
| Not all Codd rules are satisfied. | All 12 Codd rules are satisfied. |
| Security is less | More security measures provided. |
| It supports single user. | It supports multiple users. |
| Data fetching is slower for the large amount of data. | Data fetching is fast because of relational approach. |
| The data in a DBMS is subject to low security levels with regards to data manipulation. | There exists multiple levels of data security in a RDBMS. |
| Low software and hardware necessities. | Higher software and hardware necessities. |
|  |  |

1. What is API testing?

API Testing is a software testing type that validates Application Programming Interfaces (APIs). API testing validates the functionality, behavior, security, and performance of the application. It ensures that the developed APIs meet expectations.

1. Types of API Testing?

Two types of API testing. Functional Testing and Load Testing.

1. What is responsive Testing?

Responsive website testing is a process that ensures your website works well on multiple devices by using CSS media queries based on the user's device where the website is accessed.

1. Which types of tool are available for responsive testing?

Responsinator, LambdaTest, Xrespond, Mobile Browser emulator

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

IPA = IOS app store package

APK = Anroid application package

1. How to create steps for open the developer mode on?

Start > Settings > Privacy and Security > Select for Developers option and click on toggle switch on.