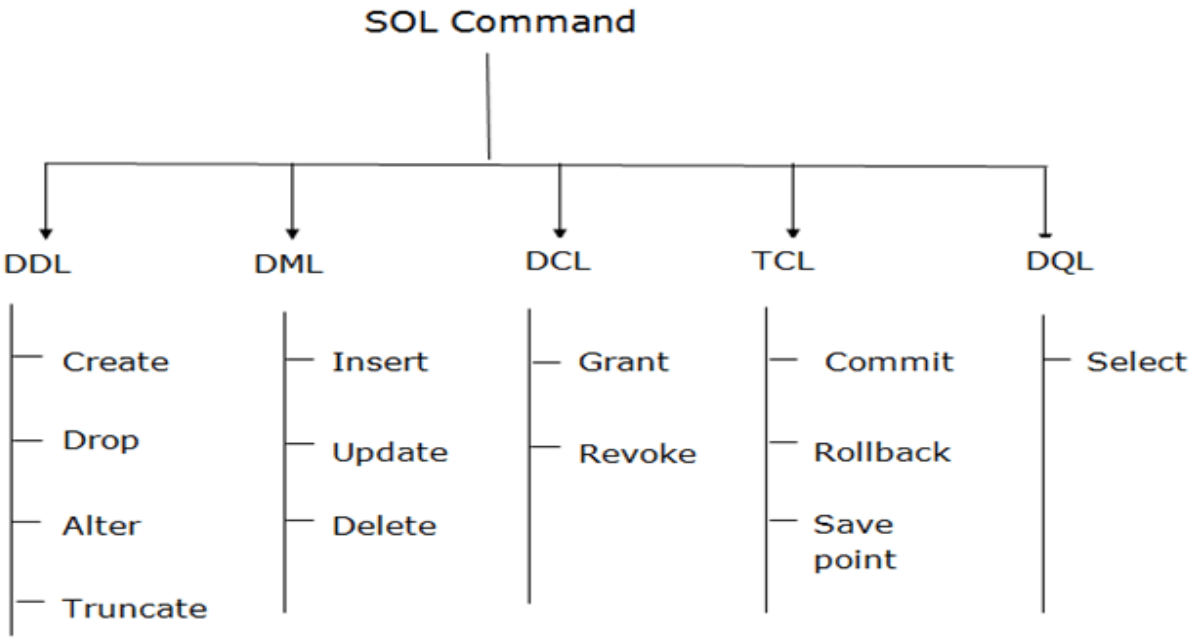
1. What is RDBMS

- A relational database management system (RDBMS) is a collection of programs and capabilities that enable IT teams and others to create, update, administer and otherwise interact with a relational database. RDBMSes store data in the form of tables, with most commercial relational database management systems using Structured Query Language (SQL) to access the database. However, since SQL was invented after the initial development of the relational model, it is not necessary for RDBMS use.
- The RDBMS is the most popular database system among organizations across the world. It provides a dependable method of storing and retrieving large amounts of data while offering a combination of system performance and ease of implementation.

2. What is SQL

- SQL stands for **Structured Query Language**. It is a programming language that is used to request information from a database. SQL can be used to manage and share data in a relational database management system. Moreover, users can perform actions like insertion, deletion, selection, etc on the database.

3. Write SQL Commands



4. What is join?

- JOIN is used to combine & get the data from different tables. 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.

5. Write type of joins.

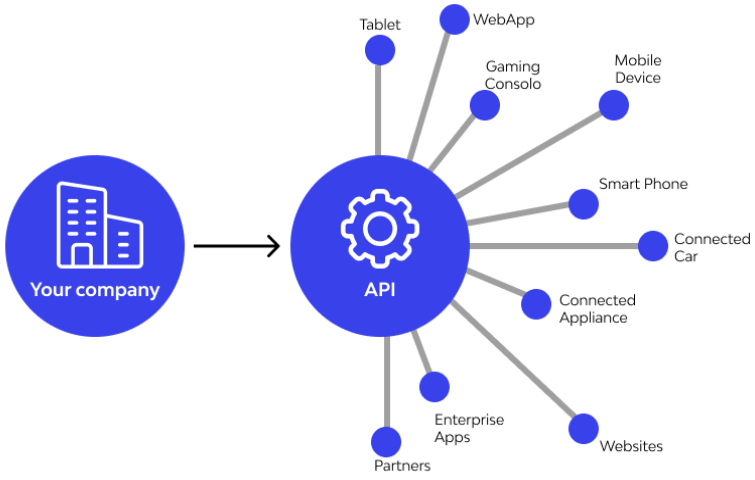
- **INNER JOIN**: The INNER JOIN keyword selects all rows from both tables as long as there is a match between the columns in both tables (Table1 and Table2).
- **LEFT JOIN**: The LEFT JOIN keyword returns all rows from the left table (Table1), with the matching rows in the right table (Table2). The result is NULL on the right side when there is no match.
- **RIGHT JOIN**: The RIGHT JOIN keyword returns all rows from the right table (Table2), with the matching rows in the left table (Table1). The result is NULL on the left side when there is no match.
- **FULL JOIN**: The FULL OUTER JOIN keyword returns all rows from the left table (Table1) and from the right table (Table2). The FULL OUTER JOIN keyword combines the result of both LEFT and RIGHT JOIN.

6. What is API Testing

- API testing is a type of software testing that analyzes an application program interface (API) to verify it fulfills its expected functionality, security, performance and reliability. The tests are performed either directly on the API or as part of integration testing.

- API testing focuses on analyzing the business logic as well as the security of the application and data responses. An API test is generally performed by making requests to one or more API endpoints and comparing the response with expected results.

- API testing is frequently automated and used by DevOps, QA and development teams for continuous testing practices.



7. Types of API Testing

Types of API Testing

API Testing types can be classified in different ways. Below are some of the common types of API testing:

- **Functional Testing:** testing functions based on the code.
- **User Interface Testing:** testing how easy it is to use and access the application.
- **Security Testing:** to make sure of the application's safety against threats.
- **Load Testing:** testing the ability to withstand heavy load.
- **Runtime & Error Detection:** to make sure it's empty from errors.
- **Validation Testing:** verifying the final efficiency, behavior, and other functions.
- **Fuzz Testing:** to rule out any possible negative behaviors.

8. 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.

- In simpler terms, responsive testing is a process that enables you to check how well a website works on various types of devices, including desktops and smartphones. A website that responds well to all screen sizes and resolutions gives your business a competitive edge over other companies.

9. Which types of tools are available for Responsive Testing

1. Chrome Developer Tools

- This is a tool that is like a go-to tool for any website developer as it gives the capability of understanding how each layout will span out on the website and provide you an actual look and feel of the website post changes.

2. DesignModo

- This has the capability of testing it by a device name and make you feel how your website would “adapt” on those screens. This might help testers to understand if some font looks “Bossy/Weighty” in a chrome versus in Safari.

3. CrossBrowserTesting

- This tool enables testers to understand if our website can easily adapt to the orientation, layout, screen size, etc. This is just another alternative to the earlier ones and not much

Recommended Articles

- This is a guide to the Responsive Testing Tool. Here we discuss Introduction to Responsive Testing Tool, How does it work, Components, and Tools. You can also go through our other related articles to learn more –

1. Web Application Testing
2. Performance Testing Tools
3. Mobile Testing Tools
4. Cross Browser Testing Tools

10. What is the full form of .ipa, .apk

- **iPA: iOS APP Store Package**
- **APK: Android Application Package file**