**Java/TestNG**

* Write a program find the second largest odd no the in string(532),(g38@);
* Explain java Pojo class testing automation framework structure/ how will it be used in Testing
* What is maven
* Write code How to read the data from Excel Table/ PPT Documents
* Vowels present in String , remove them and print the string . Variation : what if the word is “Automation” with both upper case and lower case vowels .
* Count the Occurrence of character in two different strings and then validate if the strings are equal
* Palindrome Number , variations asked with negative numbers
* Two dimensional arrays – find if number is present in array , variation – Binary Search in 2D Array
* Reverse string – testing
* Reverse sentence without changing the position of words – “this is automation testing”
* Character count using collection - “this is automation testing” ignore space and character
* Different test cases for above 3 problem statements
* We have multiple tests in our class.. and we have multiple classes as well... how we will execute certain test cases from these
* how to execute failed test cases in TestNG
* what OOP concepts were used in Testing framework
* What are all annotations present in TestNG and there execution sequence
* Optimised version of the code for the above statement
* Java code to get the Highest odd digit from String. Eg  in “52”  output should be “5”, 293 should be 9 and 24 should be 0 as no odd number there.
* Write program to Concatenate the numbers from Strings. (Scenario->Skips Alphabets, not to use inbuilt method)

Example -  String S= “C6L9B4M7Y3”

* Write program to Sort Array elements without using sort() method.

Example -  {5,3,8,3,1,7,2}

* what is loading in java.
* what is overriding and overloading and why we use the it.
* describe static method/why main method is static
* what is garbage collection.
* what is .. (dot dot) represents in a method
* What is a final keyword?
* Question related to Work on Automation and TestNg used in previous Project-N
* How to prevent the Overloading and Overriding
* Super keyword in java
* Java program to find the Vowel in String-N
* Internal working HashMap and way retrieval of records
* Difference between String.equals() and == ?
* what is a list, arraylist, linkedlist?
* Write code to create a LinkedList in Java (Need to create a custom class, not using direct LinkedList class from util package)
* How to iterate over and remove an element from collections.
* How do iterate a List using Iterator in java
* what is Object?
* explain briefly what is polymorphism in java and different types of polymorphism
* Different return type allowed in method overloading?
* I dont want my method in parent class to be overiddden in child class, how can you achieve this?
* Have you worked with collections? explain briefly which all collections you have used?
* I have web page. I tried accessing it with URL and page is not loading. How you troubleshoot this issue? How you check errors?

**API automation**

* what is the database code for API Automation?
* write automation script for API testing?
* API automation process /Explain it
* Which all different types of testing need to cover as a part of API automation
* API performance
* How you will pass dynamic data for API performance
* What is the approach you followed in API testing
* Scenarios related to API testing
* If we have Webservices scenarios how will we proceed with testing activities, RestAssured automation
* Rest assured Code

**SQL/DB**

* What is the index in sql?->
* what is the difference (BETWEEN and IN) in sql?
* which Database you know?
* Write query to self-join using one table and Two tables, Client will give scenario( Employee Table,  Manager Table)
* SQL Query to find the second largest value in a column
* Asked about joins, inner joins, right/ left outer joins
* how to do Database validations
* Difference between inner join and full join
* Scenarios related to data base testing
* Rename the Column in Emp Table name to ename.
* Join Query asked to write.
* Query to find the Name in Emp table starts with a
* Write SQL Query , Who employees are not associated with HR department.

Example : Employee(empid,ename,branch,emailaddress,HrId)

                   HR(HrId,HrName,HrEmailAdress,epmid)

* sql for getting second highest number from any table/ select the second highest salary from the employee table
* Write a query for unique salary from emp table?
* Write a query for colour value is red?
* Use Distinct statement
* Write code to get a connection to the database
* Write query to select employees who are under a manager.

Employee(empId,empName,salary,managerId).

Note: only one table given, needs to use self join

**Selenium**

* how to write code in selenium(using Locators);
* what is locators how it find out in webpage;
* Write code to find third row data from the table using xpath
* Write code How to select value from drop-down list in selenium
* Describe Automation framework / What is a automation framework used?
* What are all things you have achieved and value-added  using automation
* How data is imported using DataProvider?
* Questions regarding xpath
* Explain about Test driven development framework approach.
* Types of xpaths and waits
* Explain the framework of the project
* How do you handle your test data
* Selenium Link Text client code.
* Difference between / and //.
* Selenium Screen Shot code
* Describe waits in selenium.
* What is fluent wait
* Scenario – There is a button on web page. Upon clicking on that button, multiple windows popping out. Every time number of windows is different.

Question - write program for validating text on one of the web page, which is coming out after multiple windows coming out after clicking on button/ How you will handle and switch between windows. Asked to write code

* Write a program for select a dropdown in a selenium? Or I have a drop-down of week days. I need to select one day. Write code to select a value from drop down?
* What is Window Handel and Window Handels in Selenium.
* Differences between Window Handel and Window Handels
* How to instantiate WebDriver/ What is WebDriverManager?
* Why you use Set<> as the return type for WindowHandles? Why not list?
* Write a code in selenium to create WebDriver instance
* What is the Difference between driver.close() and quit() method
* I have a web page which is Sales E-commerce WebSite. I came to main page with Url. I have to click on Button which will intern open another Window. New window has a Sales Table of How many cars sold and Which Brand.

For this you have write a selenium code to go to main page,click on buttion, switch to new window, then count the number of sales for the car from table.

explain the code and how switch between windows, also explain logic you have used for counting sales of car from table

**Junit**

* how to write a script in junit give  live exmple?

**CI/CD**

* how did you achieve CICD Pipeline
* How data is being managed in batch execution
* Basic Questions regarding git

**Agile/Generic Testing**

* Explain to prioritize test cases
* Explain Defect life cycle
* Explain STLC life cycle
* What are the Types of meetings in Agile explain each types in details
* If any team conflict happen during agile task delivery then how to tackle those problem
* Production defect handling
* What all parameters will be considered for performance, how you get the requirement
* Describe how will you perform QA activity in the Sprint
* What is a severity and priority in terms of testing, Differences between them
* Explain about Agile methodology approach which you followed in your project.
* Complete end to end process of product sign off
* What is the goal of end to end testing
* When a story comes to your queue, what are all the activities that you do
* Types of Testing you have performed.
* How you insure are all test are completed
* Which front end technology is used in your project?
* What is scrum methodology? and what are the meetings you have attended in scrum?