**Possible Java programming questions**

1: String reverse/integer reverse without using built-in methods in java

2: Find the largest element and second largest element from an array without using built in method or sort function in java

3: factorial program in java

4: Print the largest element in an array and its position in java

7: count the words and print its occurrence for each in a sentence

8: find the duplicate elements in an array or in a string

9: Print the prime numbers between 1-10

10: Fibonacci series

11: Swapping variable without using third variable

12: java programs to display all integers between 100-200 whose sum of digits is an even number

15: find the character count and print the count in String in Java

18: constructor

19: Polymorphism with Inheritance

20: static method/instance method/class method

21: static variable/instance variable

22: Print the sum of the digits of a numbers

26: Smallest and Second smallest number/integer in an array

**Possible Questions on API Automation**

1: What is REST

2: What is SOAP?

3: What is http?

4: Difference between http and https?

5: What are the common testing we do in API testing?

6: Difference between API and Web services?

7: What is the difference between URI and URL?

8: Path and query parameter

9: What is patch request? Difference between PUT and patch

10 What is HEAD request?

11: What are headers and cookies?

12: Authentication methods in API testing

13: Basic statu codes in API

14: What are the advantages of API testing?

##**Exception handling related interview questions (including unhandled exception during runtime)**

2: Use of finally block

3: Catch and print the exception message in a separate log file.

4: Give an example when the finally block won’t be executed

## **Selenium specific interview questions**

1: Selenium Architecture

2: Selenium components

3: Write a code to initialize the driver (Chrome browser example)

4: Responsive web design using selenium (Bootstrapping example)

5: Is it possible to perform database automation testing using selenium?

6: Difference between chrome options and desired capabilities

7: How to handle alerts using selenium? Explain with few lines of code

8: How to handle checkboxes using selenium? How to click all checkboxes at once using selenium?

9: How to check if a checkbox is selected or not

10: How to click a particular checkbox out of 10 other checkboxes in the web page?

11: How to handle static and dynamic dropdown in selenium? Explain with code.

12: Handling frames

13: Handling multiple windows

14: Xpath. Check siblings, ancestors, descendants

19: How to scroll using selenium. Write code.

20: How to input a text in a textbox without using send keys?

21: Web table validation using selenium.

22: How to find broken links in a web page? Write code

**SDET – Software Development Engineer in Test**

23: drag and drop using selenium. Write code

25: Action class, Double click, right click etc. write code.

26: What is keyword driven framework?

27: What is Hybrid framework

28: What is the library to be imported to add keyboard actions to our scripts?

29: What is the library to be imported to add mouse actions to our scripts?

30: Difference between driver.get and driver.navigate

33: Difference between window handle and window handles

37: What kind of exceptions you have faced during selenium automation and how did you fix it?

39: How to handle dynamic web elements in a webpage?

##**Automation Framework related questions**

1: Explain framework components. What kind of framework are you using? Is it Hybrid? If yes, why are you calling the same as Hybrid?

2: What are TestNG annotations and explain them ?

5: How to handle setup and teardown in a framework (testing)

7: How the test data is being handled in your framework

8: How to handle sensitive data like username and password in an automation framework?

11: pom.xml and POM differences. Which one you have used and why?

12: How to handle cross browser testing and parallel execution in your framework

13: How to select the browser in runtime for executing a selenium test script

14: What is the need of a framework?

15: Have you ever involved building a framework from scratch?

16: What is BDD and TDD in Test Automation?

17: Logging and reporting of your automation framework (ex: Extent report in selenium automation)

20: How to select test automation tool and framework?

4: How to you plan and prioritized the automation Test scripts?

5: Do you have any automation backlog in your project ?

**Generic Questions**

1: What is the release process for your current project?

2: Have you ever involved building the test strategy or test plan?

3: Have you ever acted as a test lead for a project?

4: How to you prepare the test closure report?

5: Very basic ecommerce related questions (multiple videos are available on YouTube to check the ecommerce basics)

6: Have you ever involved in code review? If yes, what are the parameters you will consider when reviewing a piece of code?

7: Challenges you have faced in API or UI automation

8: How do you select the test cases for automation?

9: Are you supporting in-Sprint automation? If No, then why? If yes, what are the possible challenges in doing In-Sprint automation?

**Agile related questions:**

1: What is the current agile process in your project?

2: How long is the sprint durations?

3: How a sprint is being planned for a project?

4: What is your roles and responsibilities as an agile team member?

5: What are grooming session/backlog review/sprint planning meetings?

**Manual testing questions:**

1: You may be given a scenario to find the boundary values. Also possible positive and negative test cases.

2: Sanity and smoke testing difference

3: How to test a newly built feature? Will you test it manually or using automation?

4: How will you estimate a testing task?

5: What is defect triage?

6: What are release notes?

7: What is risk based testing?

8: Entry and exit criteria

9: Test strategy and test plan