**Possible programming questions**

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

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

3: factorial

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

5: write a program to convert a list to dictionary

6: find a text using regular expression

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

13: largest common substring between two different strings - C

14: reversing only each and every word of a sentence but the sequence of words should remain same

15: find the character frequency and print the same in dictionary format

16: Balanced parenthesis

17: pattern printing

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18: constructor

19: Polymorphism with Inheritance

20: static method/instance method/class method

21: class variable/instance variable

22: Print the sum of the digits of a numbers

23: find and replace a particular text in a file

25: Swap key and value in a dictionary

26: Smallest and Second smallest elements in an array

27: Highest possible number from an array if integers

28: Sum of the integers only from a list of both letters and numbers in python

29: Reverse/sort a string which contains special characters. The special characters should remain in the same position.

29: Reversing the words only from a complete sentence

30: Count the vowels from a string

31: From an array of Name and Surname, sort the array according to the Surname.

**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 return codes

14: What are the advantages of API testing?

15: What is Swagger and API documentation?

16: JSON serialization and deserialization

17: Navigate to a particular field of a JSON file

18: write a rest assured script for a post/get/put/delete request

19: You can be given one simple JSON payload and corresponding response. You need to write the POST request and some assertion scripts to validate some specific field from the response.

20: What will happen if you execute a POST request for an existing data?

21: Where to provide the credentials in an API request?

22: What is Swagger and API documentation?

23: What is WSDL?

24: Why REST is preferred over SOAP?

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

1: Custom exception message

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

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 and CSS write. Check siblings, ancestors, descendants

15: Explicit and implicit waits with proper syntax. Panel may ask to write the syntax for both.

16: Fluent wait in Selenium ?

17: What is same origin policy?

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

23: drag and drop using selenium. Write code

24: File upload and download 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

34: what is proxy class in selenium?

35: How to delete cookies in selenium?

36: What is shadow DOM and how to access the same?

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

38: What is stale element exception?

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

40: How do you handle if the chrome driver is backdated in compare with your browser version? Will you install the latest chrome driver manually every time before running the scripts?

##**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: Page Factory 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)

18: You have 10 test cases in your test suite and when running individually 1 by 1, all the cases are passing. But when running in parallel, cases are failing. What are the possible reasons for that?

20: How to select test automation tool and framework?

4: How to you plan and prioritized the automation tasks?

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

**CI/CD**

1: Are you following any CI/CD process?

2: The automation test suite is executed manually or through pipeline? If through pipeline and how do you trigger the same?

3: How to call a job from another job in the Jenkins pipeline?

4: How to integrate the test reports with Jenkins?

**GIT/Version Control**

1: What is GIT stash?

2: Difference between rebase and merge?

3: Deleting a remote branch

4: How will you perform the merging in GIT?

**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?

10: How do you perform unit testing for the automation scripts?

11: Have you ever involved in testing such an application where third party applications are used for Payment/shipment etc?

12: What will your test strategy if the end date of a project is preponed massively?

13: Have you ever tested an application where you have provided no documentation? What will be your strategy for testing such application?

**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

**Performance Testing questions:**

1: Have you ever involved in performance testing?

2: How it is being done? Using API request or something else?

3: What tool you have used?

4: How will you build a performance testing framework?