



# TheAutomationEngineer

# Interview Questions From Different Companies

1. Infosys

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By Achal Singh



# The Automation Engineer

## Infosys

### Technical Round 1:

- 1 Describe your roles and responsibilities in your current/previous project.
- 2 Have you ever built a test automation framework from scratch? If yes, explain its architecture.
- 3 Which design pattern did you implement in your framework, and why?
- 4 Explain the difference between Comparable and Comparator in Java.
- 5 In which scenarios do you use the finally block in exception handling?
- 6 What is the concept of the 3 Amigos in Agile?
- 7 Differentiate between Scrum and Kanban methodologies.
- 8 Explain the difference between Smoke vs. Sanity Testing and Regression vs. Retesting.
- 9 In TestNG, how do you ensure screenshots are captured only for failed test cases?
- 10 How do you perform data-driven testing in Postman?
- 11 What are the important validations you consider while testing an API?
- 12 If 49 out of 200 test cases fail, how would you efficiently collect only the failed test case data in TestNG?
- 13 What is the purpose of the Maven Surefire Plugin?

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## Infosys

### Technical Round 2:

1. How do you decide which test cases should be automated?
2. Write Selenium code to identify and report broken links on a webpage.
3. How do you handle multiple frames in Selenium?
4. Given 10 links on a page, how would you print the title of each page optimally using Selenium?
5. When would you use implicit wait vs. explicit wait in Selenium?
6. What is a NullPointerException, and how do you handle it?
7. How do you switch back to the parent frame in Selenium?
8. Difference between driver.get() and driver.navigate().to() methods.
9. How do you handle location permission popups in Selenium?
10. How do you handle dynamic dropdowns in Selenium?
11. Explain the difference between default and public access modifiers in Java.
12. What is method hiding in Java?
13. Write a Java program to print all array elements that appear at least twice.

By Achal Singh



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## TCS

### *Manual Testing Questions:*

1. Have you worked in Agile methodology? Explain it.
2. Explain the points you consider while writing a good test case.
3. What is the Bug Life Cycle?
4. Difference between Test Scenario vs Test Case.
5. Difference between Functional vs Non-Functional Testing.
6. Difference between Smoke and Sanity Testing.
7. What is STLC in software testing?
8. Difference between Alpha and Beta Testing.
9. How many tests have you automated in a single sprint?
10. How do you decide which test cases to automate?
11. Which test cases would you not automate?
12. Is 100% automation possible?
13. Important things to consider when logging a bug.
14. Where do you write your test cases? In Excel or some other tool?

*By Achal Singh*



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## TCS

### Automation Testing Questions:

1. Difference between implicit and explicit waits.
2. Asked to share screen and write XPath for a given element.
3. Use of Actions class and Select class.
4. Explain your roles and responsibilities.
5. Exceptions faced while working with Selenium (Give 5 examples).
6. OOPS concepts (Inheritance, Abstraction, Polymorphism, etc.).
7. Difference between findElement() vs findElements().
8. How to handle alerts in Selenium?
9. Write Selenium code to take a screenshot.
10. What is priority in TestNG?
11. Reports used in your framework.
12. Difference between Scenario vs Scenario Outline in Cucumber BDD.
13. Explain the framework you are working on.
14. What are tags in Cucumber?
15. How do you manage test data in your framework?
16. Abstract class vs Interface.
17. Write Java code to reverse a string and perform array manipulation.
18. Questions from HashMap, HashSet.
19. Difference between Array and ArrayList.
20. What is Collection in Java?
21. Why is String immutable in Java?
22. Difference between Collection and Collections.
23. Difference between StringBuffer and StringBuilder.
24. API status codes difference (400, 401, 201, 200, etc.).
25. Difference between PUT vs PATCH request.
26. Basic GitHub commands (git add, git commit, git diff).

*By Achal Singh*



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## Tech Mahindra

### Automation Testing Interview Questions

1. What is the difference between throw and throws in Java?
2. Differentiate between checked and unchecked exceptions.
3. Write a Java program to check if a given string is a palindrome.
4. How do you integrate Selenium with your test automation framework?
5. What is Fluent Wait in Selenium and when should you use it?
6. What is the difference between HashMap and ConcurrentHashMap?
7. How do you handle dynamic web elements in Selenium?
8. How do you handle browser alerts or pop-ups in Selenium?
9. What are some commonly used XPath functions in Selenium?
10. How do you perform a click action in Selenium?
11. How does Selenium WebDriver interact with browsers internally?
12. Selenium cannot handle CAPTCHA so how do you handle such scenarios in automation?
13. How do you handle an underperforming team member?
14. What is the "Definition of Done" (DoD) in Agile?
15. How do you prioritize tasks from the product backlog?

By Achal Singh



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**EY (Ernst & Young)**

## Automation Testing Interview Questions

1. Can you briefly introduce yourself?
2. Could you describe your previous projects, including your roles and responsibilities?
3. Can you explain Exception Handling in Java?
4. What is the difference between an Abstract Class and an Interface in Java?
5. How do Method Overloading and Method Overriding differ in Java?
6. What is an Abstract Class and an Abstract Method?
7. What factors should be considered when selecting an automation tool?
8. What are the key benefits of Automation Testing over Manual Testing?
9. What are the advantages and disadvantages of using Automation Frameworks?
10. What is the Action class in Selenium, and could you mention a few of its methods?
11. Can you explain the concept of Constructors in Java?
12. How would you define the Severity and Priority of a Bug?
13. Could you provide an example of a High Priority but Low Severity Bug?
14. What does the super() keyword do in Java?
15. Could you write a Java code snippet for handling a child window, performing operations, and switching back to the parent window?
16. Could you explain the difference between getWindowHandle() and getWindowHandles() in Selenium?
17. What does the following statement mean: WebDriver driver = new FirefoxDriver();?
18. Can you explain the difference between throw and throws in Java?
19. What does the term "Velocity" refer to in Agile Testing?
20. What is the purpose of the static keyword in Java?

**By Achal Singh**



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## Cognizant

### Automation Testing Interview Questions

1. Can you briefly introduce yourself?
2. How do you write a Selenium script to launch a URL and retrieve the page title?
3. What is XPath in Selenium, and what are its different types?
4. Explain the use of annotations in Selenium from a manual tester's perspective.
5. What is the difference between get() and navigate().to() in Selenium?
6. How do you handle multiple windows or tabs using window handles in Selenium?
7. What are mouse actions in Selenium and how are they implemented?
8. What are the different types of locators available in Selenium?
9. What are exceptions in Java, and how are they handled in Selenium?
10. How does the try-catch block work in Java? Is it possible to have multiple catch blocks?
11. What keyboard actions are supported by Selenium, and how do you perform them?
12. What are the waits in Selenium, and how do you use them effectively?
13. How do you handle JavaScript alerts and pop-ups in Selenium?
14. What is the Page Object Model (POM) and how is it implemented in Selenium automation?
15. What is the difference between verify() and assert() in test automation?
16. Does Selenium support API testing? If so, how can it be integrated?
17. What are the various Agile ceremonies, and what is your involvement in them?
18. What was your specific role and contribution in your previous testing project?
19. What is a Test Plan, and what key components should it include?
20. What is the difference between driver.quit() and driver.close() in Selenium?
21. When and why would you use the linkText() locator?
22. When should the partialLinkText() locator be used in Selenium?

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## Amazon

### Manual Testing Interview Questions-1

1. What is STLC (Software Testing Life Cycle)? Provide an overview of its key phases and the purpose of each.
2. How does Regression Testing differ from Retesting?
3. What are the essential fields to be filled when logging a new defect?
4. Explain the concepts of Bug Severity and Priority.
5. What activities are involved in the Maintenance phase of the SDLC?
6. Write three negative test cases for a mobile messaging application.
7. What are the Entry and Exit Criteria in a Test Plan?
8. When should the testing process be concluded?
9. What is RTM (Requirement Traceability Matrix)?
10. Why is Software Testing important in the development lifecycle?
11. Describe the Bug Life Cycle.
12. What is BRD (Business Requirement Document)?
13. Differentiate between a Blocker bug and a Critical bug. Provide examples.
14. What is a Deferred Bug?

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## Amazon

### Manual Testing Interview Questions-2

15. How do Test Management Tools differ from Defect Management Tools?
16. List the top 5 high-level test scenarios for a search engine.
17. What are Negative Test Cases?
18. Write 3 negative test cases for a credit card application form.
19. What types of defects are commonly identified in a software project or application?
20. What do you understand about the Agile Methodology?
21. What are the key fields in a Test Case document?
22. What is the difference between Smoke Testing and Sanity Testing?
23. Define Unit Testing. Who performs it and what does it focus on?
24. Explain the various Black Box Testing techniques.
25. List the top 5 high-level test scenarios for a new laptop launch.
26. What are the different types of Performance Testing?
27. What is Ad-hoc Testing?
28. How would you test the video quality of a mobile or web video application?
29. Write three negative test cases for the Bluetooth feature of a mobile phone.

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## LTI Mindtree

### Automation Testing Interview Questions-1

1. Write a Java program to determine the frequency of each character in a given string and identify the character that appears most frequently.
2. Write a Java program to find and print the most frequently occurring prefix in a given array of strings.
3. Write a Java program to compute and display the frequency of every character in a given string.
4. Can you provide a brief introduction about yourself, including your experience and key skills?
5. What are the three key OOP concepts implemented in your framework? Please explain each in detail with examples.
6. What are the major differences between "ArrayList" and "LinkedList" in Java?
7. In API testing, how do the "POST" and "PUT" methods differ in terms of functionality and implementation?
8. Write a Java program to count and display the number of occurrences of the character "A" in a given string.
9. What is a "StaleElementReferenceException" in Selenium? Why does it occur, and how can it be resolved?
10. Explain the HTTP status codes "401 Unauthorized" and "500 Internal Server Error". What do they indicate?
11. What is an "ElementNotFoundException" in Selenium? Why does it occur, and what are the best ways to handle it?

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## LTI Mindtree

### Automation Testing Interview Questions-2

12. Write a Java program to compute the factorial of a given number.
13. Write a Java program to reverse a given number.
14. What are the key differences between "List" and "Set" in Java?
15. Write a Java program to count and display duplicate characters in a given string.
16. Which CI/CD pipeline tools have you worked with? Can you explain your experience in implementing them?
17. What industry domains have you worked in throughout your career?
18. How many team members have you led in your previous projects, and what were your key responsibilities as a lead?
19. Can you explain Polymorphism in Java? Provide examples for both Method Overloading and Method Overriding.
20. Using Selenium WebDriver, write an automation script to open W3Schools, extract all company names from the "Tables" section, and verify if a specific text exists within the extracted list.
21. Do you have any questions for us regarding the role or company?

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## Deloitte

### Automation Testing Interview Questions

1. Tell me about yourself.
2. Open any of the eCommerce websites and find the XPath of the search bar.
3. What are the locators you will use in your project?
4. Have you ever used CSS Selectors?
5. Types of XPath?
6. Difference between Background and Scenario Outline in the Cucumber framework.
7. Have you used OOPS concepts in the Cucumber framework?
8. Open the online compiler, create a string, enter some words (e.g., "This is a Java Program"), remove the space, print it, and reverse the string. Explain the program.
9. SDLC Lifecycle.
10. How will you prioritize the methods in TestNG? If two methods have the same priority, which one will execute first?
11. Different types of exceptions you faced in your projects.
12. How to handle exceptions?
13. How to handle pop-ups in Selenium?
14. Explain the folder structure of your framework.
15. Explain the pom.xml file.
16. Have you ever done cross-browser testing? How do you do that?
17. What are the different types of testing you have done so far?
18. Difference between Smoke Testing and Regression Testing.
19. Have you used collections in your scripts?
20. Have you created a framework from scratch?

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# The Automation Engineer

## Capgemini

### Automation Testing Interview Questions

1. Tell me about yourself (Self-introduction)
2. Explain the Software Bug Life Cycle
3. What are the different types of XPath in Selenium?
4. What are annotations in Selenium and how are they used?
5. What is the difference between get() and navigate() methods in Selenium WebDriver?
6. How do you handle multiple browser windows in Selenium?
7. Explain how to perform mouse actions using Selenium
8. What are Selenium locators? Describe their types and usage
9. How does Selenium handle exceptions?
10. Is it possible to have multiple catch blocks in a single try-catch structure? Explain with an example
11. What keyboard actions are supported by Selenium WebDriver?
12. What are waits in Selenium? Differentiate between implicit and explicit waits
13. How do you handle JavaScript alerts/pop-ups in Selenium?
14. What is the Page Object Model (POM) in Selenium?
15. Differentiate between verify() and assert() methods in testing
16. Can Selenium be integrated with API testing tools? If yes, how?
17. Explain key Git events and commands common in a testing project
18. Why and when do we use cssSelector as a locator strategy?
19. What does the deleteAllCookies() method do in Selenium?
20. What was your specific role and responsibilities in your previous project?
21. What is a Test Plan? What are its key components?
22. Differentiate between driver.quit() and driver.close() in Selenium
23. Why do we use linkText() and partialLinkText() locators in Selenium?

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