

98 Cucumber interview questions to hire top engineers

Questions

1. Can you explain what Cucumber is in simple terms?
2. Why do we use Cucumber for testing software?
3. What is a feature file in Cucumber, and what does it contain?
4. What is a Scenario in Cucumber?
5. Tell me what 'Given', 'When', 'Then', and 'And' keywords mean in a Cucumber scenario.
6. What is a step definition in Cucumber?
7. How do you connect a step in a feature file to its step definition?
8. What programming language do you usually use with Cucumber?
9. What is the purpose of the Cucumber options like glue and plugin?
10. Can you explain what Cucumber tags are and why we use them?
11. What is the difference between Background and Scenario in Cucumber?
12. What are some advantages of using Cucumber for testing?
13. How do you run a Cucumber test?
14. Have you used any other testing tools besides Cucumber? If so, which ones?
15. How would you handle a situation where a Cucumber test fails?
16. What is the use of a 'DataTable' in Cucumber?
17. Explain the difference between 'Scenario' and 'Scenario Outline'.
18. Can you give a brief example of a feature file and its corresponding step definition?
19. What are some common challenges you might face when writing Cucumber tests?
20. In Cucumber, what is the purpose of the 'dryRun' option, and when might you use it?
21. What is Cucumber used for in simple terms?
22. Can you explain what a Feature file is in Cucumber?
23. What does Gherkin do?
24. What is the purpose of Step Definitions in Cucumber?
25. Tell me the keywords you know in Gherkin.
26. What does the Given keyword signify?
27. What does the When keyword signify?
28. What does the Then keyword signify?
29. What does the And keyword signify?
30. What does the But keyword signify?
31. Why do we need to write tests in plain English?
32. What is the purpose of writing scenarios?
33. Can you explain what a scenario outline is?
34. What is the use of background keyword in Cucumber?
35. What is a hook in Cucumber?
36. Why do we need hooks in Cucumber?
37. What is the difference between background and Before hook?
38. What is the difference between After and AfterStep hooks?
39. How do you run a specific scenario in Cucumber?
40. How do you pass data from a Feature file to a Step Definition?
41. How do you handle multiple data sets in Cucumber scenarios?
42. What kind of reports can Cucumber generate?
43. What is the use of tags in Cucumber?
44. How would you handle a scenario where a step fails in Cucumber?
45. How would you handle asynchronous events or delayed responses in your Cucumber scenarios?
46. Can you describe a situation where you needed to use a data table in Cucumber and explain its structure?
47. What are some strategies for managing and organizing a large number of Cucumber feature files?
48. How do you typically share state between steps in Cucumber, and what are the potential drawbacks?
49. Explain how you would integrate Cucumber tests into a continuous integration/continuous delivery (CI/CD) pipeline.
50. What are some techniques for writing more maintainable and readable Cucumber scenarios, especially when dealing with complex logic?
51. How would you approach testing different environments (e.g., dev, staging, production) with Cucumber?
52. Describe your experience with using Cucumber to test APIs and how it differs from testing web applications.
53. How can you use Cucumber to verify the performance of the system under test (e.g. response times)?
54. What are some common challenges you've faced when using Cucumber and how did you overcome them?
55. How do you handle scenarios where the setup or teardown steps are complex or require external resources?
56. Explain how you would implement retry mechanisms for flaky tests in Cucumber.
57. How do you decide when to use Cucumber versus other types of automated testing (e.g., unit tests, integration tests)?
58. Describe a time when you had to debug a failing Cucumber scenario and what steps you took to identify the root cause.
59. How do you manage external dependencies (e.g., databases, message queues) in your Cucumber tests?
60. Explain how you would use Cucumber to test different user roles or permissions.
61. What are some best practices for writing custom step definitions in Cucumber?
62. How do you approach testing error handling or negative scenarios with Cucumber?
63. Describe a scenario where you had to use regular expressions in your Cucumber step definitions and why.
64. How can you use Cucumber to generate reports that are useful for both technical and non-technical stakeholders?
65. What are some ways to improve the speed and efficiency of your Cucumber test suite?
66. How do you handle scenarios where you need to interact with multiple systems or services in a single Cucumber test?
67. Explain how you would use Cucumber to test a system that involves complex business rules or workflows.
68. What are some strategies for writing Cucumber tests that are resistant to changes in the user interface or underlying code?
69. How do you ensure that your Cucumber tests are properly documented and easy for others to understand?
70. Describe a situation where you had to refactor your Cucumber tests and what challenges you faced.
71. How would you use Cucumber to test the accessibility of a web application?
72. Explain how you would implement data-driven testing with Cucumber, using different data sets for the same scenario.
73. Let's say your Cucumber tests are failing intermittently, what could be the likely reason and how would you troubleshoot?
74. How do you handle asynchronous events in Cucumber scenarios?
75. Explain your approach to managing and maintaining a large suite of Cucumber tests.
76. Describe a situation where Cucumber might *not* be the best testing tool, and what you'd use instead.
77. How would you implement data-driven testing with Cucumber, beyond simple examples tables?
78. Discuss your experience with using Cucumber for API testing.
79. How do you ensure the reliability and repeatability of your Cucumber tests across different environments?
80. Describe your strategy for handling shared state between steps in Cucumber scenarios.
81. Explain how you would integrate Cucumber tests into a CI/CD pipeline.
82. How do you handle error reporting and logging in your Cucumber tests?
83. Discuss the trade-offs between using Cucumber for end-to-end testing versus unit testing.
84. How do you approach testing user interface elements that are dynamically generated or updated?
85. Explain your experience with using different assertion libraries in Cucumber step definitions.
86. How do you manage dependencies and external resources required by your Cucumber tests?
87. Describe a challenging Cucumber testing problem you faced and how you solved it.
88. How would you convince a team unfamiliar with BDD to adopt Cucumber?
89. Explain your understanding of the roles and responsibilities involved in a successful BDD implementation.
90. How do you keep your Cucumber tests up-to-date with evolving application requirements?
91. Describe your approach to creating maintainable and reusable step definitions.
92. How do you measure the effectiveness of your Cucumber tests?
93. Explain your experience with using Cucumber plugins and extensions.
94. How do you handle testing scenarios that involve complex business rules or calculations?
95. Describe your strategy for parallelizing Cucumber tests to reduce execution time.
96. How do you ensure that your Cucumber tests are independent and don't interfere with each other?
97. Explain your understanding of the relationship between Cucumber, Gherkin, and BDD.