

# 57 TestNG interview questions and answers to hire the best candidates

## Questions

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1. What is TestNG and why is it used?
2. How do you define a test suite in TestNG?
3. Can you explain the significance of annotations in TestNG?
4. What are the advantages of using TestNG over JUnit?
5. How does TestNG handle exceptions in test methods?
6. What is the purpose of the @DataProvider annotation in TestNG?
7. Can you explain how TestNG supports parallel test execution?
8. What strategies do you use to manage dependencies between tests in TestNG?
9. What is the role of the @BeforeSuite annotation in TestNG?
10. Can you explain the difference between @BeforeClass and @BeforeMethod?
11. How do you group test cases in TestNG?
12. What is the purpose of the @AfterClass annotation in TestNG?
13. How can you parameterize tests in TestNG?
14. What is the role of the testng.xml file?
15. How would you skip a test method in TestNG?
16. What are the different ways to report test results in TestNG?
17. Can you describe the use of listeners in TestNG?
18. How do you manage timeouts for test methods in TestNG?
19. What is the significance of the @AfterMethod annotation?
20. How can you run specific groups of tests from the command line?
21. Can you explain the feature of test prioritization in TestNG?
22. What is the impact of the test order on test results?
23. How do you integrate TestNG with Maven?
24. What are the ways to retrieve test parameters in TestNG?
25. How do you handle dependency tests in TestNG?
26. Can you explain how to use the @Listeners annotation?
27. What strategies can you use to organize your test cases in TestNG?
28. How can you implement custom reporting in TestNG?
29. What are some common pitfalls when using TestNG?
30. How would you use TestNG for data-driven testing?
31. Can you explain the concept of soft assertions in TestNG?
32. How do you handle cross-browser testing using TestNG?
33. What strategies do you use for test data management in TestNG?
34. How would you implement retry logic for flaky tests in TestNG?
35. Can you explain how to implement custom reporting in TestNG?
36. How do you handle dependencies between test methods in TestNG?
37. What approaches do you use for handling test environment setup and teardown in TestNG?
38. How would you integrate TestNG with a Continuous Integration system?
39. Can you explain how to implement multi-threading in TestNG?
40. How do you configure TestNG to run tests in a specific order?
41. Can you explain how to create and use custom annotations in TestNG?
42. What steps would you take to set up a TestNG project in an IDE?
43. How do you handle test case failures in TestNG?
44. What is the purpose of the @BeforeTest annotation in TestNG?
45. Can you describe the process to run TestNG tests in a specific environment?
46. How do you integrate TestNG with reporting tools like ExtentReports?
47. What are some best practices for writing maintainable test scripts in TestNG?
48. How do you leverage the TestNG framework for API testing?
49. Can you explain the concept of test dependencies and how to manage them in TestNG?
50. What is the best way to handle version control for TestNG test cases?
51. How do you ensure your TestNG tests are reusable and efficient?
52. What is the role of the @BeforeTest annotation in TestNG?
53. How do you configure TestNG to run tests in a specific order?
54. Can you explain the purpose of the @AfterTest annotation in TestNG?
55. What strategies can you use to organize your test cases in TestNG?
56. How would you implement retry logic for flaky tests in TestNG?
57. What is the best way to handle version control for TestNG test cases?
58. How do you ensure your TestNG tests are reusable and efficient?