

Beginner Level (1–15)

1. What is Playwright and why is it used in automation testing?
2. How is Playwright different from Selenium or Cypress?
3. Which browsers are supported by Playwright?
4. How do you install Playwright and set it up for a new project?
5. What are locators in Playwright?
6. What's the difference between `page.click()` and `locator.click()`?
7. How does Playwright handle waits automatically?
8. How do you handle dropdowns and input fields?
9. How do you take screenshots and record videos in Playwright?
10. How can you open multiple browser tabs or contexts?
11. What's the difference between `page`, `browser`, and `browserContext`?
12. How do you handle alerts and pop-ups?
13. How do you emulate mobile devices or geolocation?
14. How do you handle different browser windows in Playwright?
15. What command is used to generate Playwright tests automatically?

Intermediate Level (16–35)

16. What is auto-waiting in Playwright and how does it improve stability?
17. What are test fixtures and how are they used in Playwright Test Runner?
18. How do you handle authentication (basic, token-based, or OAuth) in Playwright?
19. How do you manage cookies and sessions?
20. What is the Playwright Trace Viewer and how is it used?
21. How do you capture network requests and responses?
22. How can you test REST APIs using Playwright?
23. What is `npx playwright codegen` and how does it help?
24. How do you manage test data in Playwright tests?
25. What is the difference between `expect(locator)` and `page.expect()`?

26. How do you run tests in parallel in Playwright?
27. What configuration options are available in playwright.config.js?
28. How do you skip or tag tests for selective execution?
29. How do you handle file uploads and downloads?
30. How do you set up retries for failed tests?
31. How do you handle timeouts globally or per test?
32. How do you parameterize tests in Playwright?
33. How do you handle API mocking or stubbing?
34. How can you run Playwright tests headless or headed?
35. What's the difference between Playwright Test Runner and Jest/Mocha?

Advanced Level (36–50)

36. How do you integrate Playwright with Jenkins, GitHub Actions, or Azure DevOps?
37. How do you structure a scalable automation framework with Playwright?
38. How can you combine UI and API testing in one suite?
39. How do you use environment variables for different test environments?
40. How do you implement reporting in Playwright (HTML, Allure, etc.)?
41. How can you handle parallel browser execution across devices?
42. How do you configure browser launch options for performance testing?
43. How do you debug failing Playwright tests efficiently?
44. How do you capture console logs or JavaScript errors?
45. How do you use Playwright with BDD tools like Cucumber or Behave?
46. How can you integrate Playwright with Docker containers?
47. How do you use Playwright with Java, Python, or .NET bindings?
48. How can you mock network responses in Playwright for offline testing?
49. What are some common flakiness issues in Playwright and how do you prevent them?
50. How do you ensure test scalability and maintainability in large Playwright projects?