

Cypress Course Syllabus

We Offer Comprehensive Cypress Training with Industry-Standard Practices



Topic	Duration 40 Days
Introduction to Cypress	
Overview of Cypress	Day 1
Key features and disadvantages	
Cypress – Architecture and Environment Setup	Day 2
Understanding the architecture of Cypress	
Setting up the environment	
Difference between Cypress and Selenium	Day 3
Comparing capabilities and use cases	
Cypress Test Runner	Day 4
Exploring the Test Runner interface	
Build First Test	Day 5
Creating your first test	
Understanding Cypress folder structure	
Core Concepts	
Structure of a Basic Test	Day 6
Anatomy of a Cypress test	
Supported Browsers	Day 7
Overview of supported browsers	
Executing tests on different browsers	
Basic Commands	Day 8
Introduction to basic Cypress commands	
Variables in Cypress	Day 9
Understanding and using variables	
Aliases and Sharing Context	Day 10
Using aliases and sharing context in tests	
Working with Elements	
Locators	Day 11
Overview of locators and CSS expressions	
Assertions	Day 12
Implicit vs. explicit assertions	
Other assertions in Cypress	
Text Verification	Day 13
Techniques for verifying text	
Asynchronous Behavior	Day 14
Understanding promises and async handling	
Working with XHR	Day 15
Handling XMLHttpRequests in Cypress	
Advanced Interactions	

jQuery in Cypress	Day 16
Using jQuery within Cypress tests	
Checkbox Commands	Day 17
Interacting with checkboxes	
Tabs	Day 18
Handling tabs in tests	
Dropdowns	Day 19
Interacting with dropdown elements	
Alerts	Day 20
Managing alerts in Cypress tests	
Windows and Elements	
Child Windows	Day 21
Handling child windows in tests	
Hidden Elements	Day 22
Working with hidden elements	
Frames	Day 23
Interacting with frames in Cypress	
Web Tables	Day 24
Working with web tables	
Mouse Actions	Day 25
Performing mouse actions in tests	
Network and Cookies and API Testing	
Cookies	Day 26
Understanding and managing	
GET and POST Methods – API Sample Scripts	Day 27
Making GET and POST requests	
File Upload	Day 28
Handling file uploads in tests	
Data Driven Testing	Day 29
Implementing data-driven tests	
Prompt Pop-up Window	Day 30
Managing prompt pop-ups in tests	
Reporting and debugging	
Dashboards	Day 31
Setting up and using Cypress Dashboard	
Screenshots and Videos	Day 32
Capturing screenshots and videos during tests	

Debugging Techniques	Day 33
Effective debugging in Cypress	
Custom Commands	Day 34
Creating and using custom commands	
Fixtures	Day 35
Utilizing fixtures for test data	
Advanced Configuration	
Environmental Variables	Day 36
Configuring and using environment variables	
Hooks	Day 37
Implementing hooks in tests	
Configuration of JSON File	Day 38
Overriding default values and configurations	
Reports	Day 39
Generating reports (Mochawesome, JUnit, TeamCity)	
Plugins and GitHub Integration	Day 40
Using Cypress plugins and setting up GitHub integration	