

Cypress Topics

Duration : 40 Hrs

Introduction to Cypress

What is Cypress?

Architecture of Cypress

How it is different from Selenium?

From Cypress.io website 'How it works?'

From Cypress.io website 'Features'

Run Sample code and explain Test Runner and Playground.

Installation & Setup

Prerequisites

VS Code

Node 12+

Create a project

Cypress installation

Cypress configuration

Cypress json file

Package.json

Explain folder structure

Interaction with WebElements

DOM Terminology

Test Structure

Types of locators

First Sample

Launching URL

Finding Web elements

Implicit wait, pause and debug

Saving Subject of the command

Invoke command

Checkboxes and Radio buttons

Lists and Dropdowns

Web Tables

Popups and Tooltips

Handling child windows

Handling frames

Cypress Assertions

Chaining Assertions

Shadow DOM

Deep Diving into Cypress commands and its Asynchronous Nature

Understanding get and find commands

Grabbing the text for validations using cypress text command

Understanding the diff between JQuery methods and cypress commands

Handling Async promises with Cypress

Handling invisible elements in cypress

Cypress Basics

Running tests in Headless mode

Implicit Waits, pause, debug

Validating counts of elements on the page

Cypress logs

Browser Refresh and reload

Variables and aliases

Screenshots

Cypress Advanced

Environment variables

Using Fixtures

Custom commands

Hooks

POM in cypress

BDD with Cucumber

Mocks and Stubs

API testing

Cypress Retries

Cypress Reporters

Running different browsers

Cross Browser Testing

Visual Testing

Cypress Dashboard

Cypress End-to-End Testing

Cypress testing in CI environment

Introduction to Git

Introduction to Jenkins

Running Cypress testing in different browser from Jenkins