

SELENIUM WEBDRIVER + TestNG+Core Java

Topic Covered

Basic Java:

- 1.Data Types and Variables
- 2.Operators
- 3.Decision Making
- 4.Arrays
- 5.Loops
- 6.Classes and Objects
- 7.Class Constructors
- 8.String Class
9. Set Up Selenium WebDriver - Selenium Tutorial
- 10.Set Up Java
- 11.Set Up Eclipse
- 12.Download Selenium WebDriver
- 13.Configure Selenium WebDriver with Eclipse
- 14.First Selenium Test Case
- 15.How to use GeckoDriver in Selenium?
- 16.Running Test on Safari Browser
- 17.Run Selenium tests on Chrome
- 18.Run Selenium Tests on Internet Explorer
- 19.Run Selenium tests on Edge
- 20.Internet Explorer Driver Server
- 21.Challenges to run Selenium Scripts with IE Browser

WebDriver Commands

- 22.Browser Commands
- 23.Navigation Commands
- 24.WebElement Commands
25. Find Element and Find Elements in Selenium
- 26.Handle CheckBox in Selenium WebDriver
- 27.Handle Radio Button in Selenium WebDriver
- 28.Handle Dropdown in Selenium
- 29.Handle Dynamic WebTables in Selenium Webdriver

Locators & XPath

- 30.Selenium Locators
- 31.Inspect Elements using Web Inspector
- 32.Inspect Element In Chrome
- 33.XPath, FireBug & FirePath
- 34.XPath in Selenium
- 35.Write Effective XPath
- 36.CSS Selectors in Selenium
- 37.WebDriver Element Locator Firefox Add On
- 38.XPath Helper

Selenium Tutorial - WebDriver Intermediate

- 39.Java Advance
- 40.Modifiers – Access Modifiers
- 41.Modifiers – Non Access Modifiers
- 42.Inheritance
- 43.Polymorphism
- 44.Exception Handling

Switches Alerts & Windows

- 45.Wait Commands
- 46.Advance Webdriver Waits
- 47.Handle Ajax Wait Using JavaScriptExecutor in Selenium?
- 48.Window Handle in Selenium
- 49.PopUps and Alerts in Selenium
- 50.Handling Iframes using Selenium WebDriver
- 51.iFrames in Selenium WebDriver
- 52.@CacheLookup in PageObjectModel

Action Class

- 53.Actions Class in Selenium
- 54.Right Click and Double Click in Selenium
- 55.Drag and Drop in Selenium
- 56.Mouse Hover action in Selenium
- 57.ToolTip in Selenium
- 58.Keyboard Events in Selenium Actions Class

Robot Class

- 59.What is Robot Class?
- 60.Keyboard Events in Robot Class
- 61.Mouse Events in Robot Class

Selenium Tutorial - WebDriver Advance

- 62.Selenium Headless Browser Testing
- 63.Use of AutoIt in Selenium WebDriver
- 64.Handle SSL Certificate in Selenium
- 65.HTTP Proxy Authentication with Selenium WebDriver
- 66.Find Broken Links in Selenium
- 67.Refresh Browser in Different Ways
- 68.JUnit Test with Selenium WebDriver
- 69.Log4j Logging and its advance Usage
- 70.Log4j Introduction
- 71.Download Log4j
- 72.Add Log4j Jars
- 73.Test Case with Log4j Logging
- 74.Log4j Manager
- 75.Loggers
- 76.Appenders

TestNG Framework

- 77.TestNG Introduction
- 78.Install TestNG
- 79.TestNG Test
- 80.TestNG Test Suite
- 81.TestNG Annotations
- 82.TestNG Groups
- 83.TestNG Dependent Tests
- 84.TestNG Reports
- 85.TestNG Parameters
- 86.TestNG Data-Providers
- 87.TestNG Test Priority
- 88.TestNG Reporter Log
- 89.TestNG Asserts
- 90.TestNG Cross Browser Testing
- 91.TestNG Data Provider with Excel
- 92.TestNG Parallel Execution
- 93.TestNG Listeners
- 94.Retry Failed Tests in TestNG
- 95.Implement IRetryAnalyzer to Retry Failed Test in TestNG Framework
- 96.TestNG Vs JUnit

Very advance concepts:

97.Capturing ScreenShot in Selenium

98.WebDriverManager

99.Finding broken links in Selenium automation

100.Testing Flash with Selenium (Flash – JavaScript communication)

101.Custom Firefox Profile for Selenium

111.JavaScript and Selenium JavaScriptExecutor

112.Scroll Web elements and Web page- Selenium WebDriver using Javascript

113.Selenium WebDriver Event Listener

114.@CacheLookup in PageObjectModel

Project:

115.Automating php travels websites(<https://phptravels.com/demo/>) end to end.