SELENIUM:

Selenium Testing is a popular open-source web based automation tool. Selenium is a strong set of tools that supports quick development of test automation for web-based applications. Selenium furnishes a record playback tool for writing tests without acquisition a test scripting language. It as well as provides a test area specific language to write trials in a number of big programming languages, admitting Java, C#, PHP, Perl, Ruby and Python.

Course Content:

Introduction:

- What is automation testing?

- When it will come into the picture.

- What is the use of automation testing?

Introduction to Selenium:

- What is Selenium?

- What is the use of selenium

- When selenium can be useful in testing.

- Features of Selenium.

- What is the difference between Selenium and QTP?

Selenium Components:

- Recording the scripts.

- Running the scripts.

- How to save the recording script.

- Object Identification.

- Difference between Test case and test suit.

- Languages supported while recording.

- Synchronization in Selenium IDE.

- Testing Vs Selenium IDE

- When to use Selenium IDE

- How to run the recorded script against other browsers.

- Why companies are not using recording tools.

Creating the Environment for Selenium RC:

- Creating the generic scripts in selenium.

- Creating the scripts by using functions.

- Running the scripts in Eclipse.

- Inheritance

- Browser commands with examples.

- Interactive commands with examples.

- Information commands with examples.

- Validation commands with examples.

- How to take data from excel sheets.

- Why should we use excel sheets.

- How to take large no of data from excel sheets.

- How to export data to an excel sheets.

- Export large no of data to an excel sheet.

- How to export results after completion of execution the script.

- How to use Eclipse.

- Debugging the scripts.

- Maintaining the synchronization points.

- How to handle Popup and alert messages.

Developing the reusable script for any project:

- Automation life cycle

Validations:

- What is Validation?

- What is the use of validations in Automation testing?

- When we use validations in Real-time project.

- How to use Validations.

Transactions:

- Function of a Transaction in a Script

- When to Add Transactions

- Adding Transactions during Recording

- Adding Transactions after Recording

Framework:

- What is Framework?

- Types of Frameworks.

- What is modular framework?

- What is Data Driven framework?

- What is Keyword driven framework?

- What is Hybrid framework?

- Use of Framework.

- Explain me about your framework.

- How develop the framework.

- Integration of the framework.

- How execute the scripts from framework.

Core Java Fundamentals

Language Fundamentals:

- Java Programming Language Keywords

- Class and Object

- Data Types

- Array Declaration, Construction, and Initialization

Flow Control, Exceptions, and Assertions:

- Writing Code Using if and switch

- Statements

- Writing Code Using Loops

- Handling Exceptions

- Working with the Assertion Mechanism

Object Orientation, Overloading and Overriding, Constructors:

- Benefits of Encapsulation
- Overridden and Overloaded Methods

Using the java.lang.String Class:

- Using the java.lang.Math Class

- Using Wrapper Classes

- Using the equals() Method with

- Strings and Wrappers and Objects

Inner Classes:

- Method-Local Inner Classes

- Anonymous Inner Classes

- Static Nested Classes

Defining, Instantiating, and Starting Threads:

- Preventing Thread Execution

- Synchronizing Code

- Thread Interaction

JUnit Introduction:

- Proving it works

- Starting from scratch

- Understanding unit testing frameworks

- Setting up JUnit

- Testing with JUnit

Object repository:

- What is object repository?

- How to use object repository in framework.

- What is the use of maintaining Object repository?

- Types of creating object repository.

Additional concepts:

- How to use XPath

- How to use DOM

- How to use Key Commands

Advantages of Using Selenium for Automated Testing:

- Language and Framework Support

- Open Source Availability

- Multi-Browser Support

- Support Across Various Operating Systems

- Ease Of Implementation

- Reusability and Integrations

- Flexibility

- Parallel Test Execution and Faster Go-to-Market

- Less Hardware Usage

- Easy to Learn and Use

- Constant Updates

Result Analysis

Interview questions.

Our learning methods include:

- Comprehensive course selection of Instructor-Led Training

- Logistical convenience and interactive classroom experience of Online Training

- Flexible pacing and instructor-guided support of Mentored Learning

- Self-paced convenience of Online ANYTIME

In addition:

- Interview preparation with mock interview drills

- Effective resume building

- Process of applying jobs at the right places

Reach us:

Call   : +1 720 738 4411

Email ID: info@procareer.io

Website: https://www.procareer.io/