

# Automation With Selenium Web Driver & TestNg

## Course overview

This course will teach you about Selenium and TestNG in a practice-oriented way, using all the latest patterns and best practices as well as advanced concepts and related topics to get you started with Selenium and create a profession automation framework.

At the end of this course, students will be able to automate software tests with Selenium WebDriver using Java and TestNG framework, execute tests in Chrome, Firefox, and other browsers.

## Lesson 1

### Introduction

- Introduction to Instructor: Maria Khan
- What is Software Automation?
- What is Test Automation Framework?
- Introduction to Selenium Suite

## Lesson 2

### Environment Preparation

- Setting Up Environment Variables, IntelliJIDEA
- JDK and Creating a New Project
- Using Maven to Manage Project Libraries
- Setting Up Chrome Driver

## Lesson 3

### Locating Strategies

- Element Locators in Webdriver

## Lesson 4

### Page Object Model

- Page Object Model

## Lesson 5

### Data Driven Framework

- Data Driven Approach Using Property File

## Lesson 6

### Benefits of TestNG Framework

- What is TestNG
- TestNg Annotations
- TestNG Assertions
- TestNG XML RUNNER
- TestNG Reporting

## Lesson 7

### Summary

- Summary: Automation With Selenium Web Driver & TestNg