

## **Introduction to Selenium:**

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- Σ Introduction to automation testing
- Σ Introduction to Selenium

## **Selenium IDE:**

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- Σ Installing Selenium IDE and Recording Script
- Σ Running, Pausing and debugging Script
- Σ Inserting commands in between script
- Σ Installing Firebug and FirePath Addons in Firefox
- Σ Using Firebug and Firepath
- Σ Extracting Xpaths and relevance of Xpaths
- Σ Selenese commands and Verification and Assertions in Selenium IDE
- Σ Wait Command and Capturing screenshots from Selenium IDE
- Σ Echo
- Σ User-extension.js ,creating your own user extension for generate random number.

## **Selenium RC:**

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- Σ What is Selenium RC
- Σ Architecture of RC
- Σ Running sample script in IE
- Σ Running sample script in Chrome
- Σ Browsers supported by RC

## **Selenium WebDriver:**

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- Σ Difference between Selenium RC and Selenium Webdriver.
- Σ Installing Selenium Web driver.
- Σ Navigation command and Locators
- Σ Runtime methods, conditions and properties
- Σ List, Select and Multi select objects
- Σ Mouse-over, drag and drop and screenshot
- Σ Alert, window and Frame handling
- Σ Wait and cookie commands
- Σ Chrome and IE script execution
- Σ Dynamic objects and web lists
- Σ Finding Coordinates of a Web Object
- Σ Handling Events.
- Σ Select checkbox randomly
- Σ Extracting Data from WebTable and Working with Rows and Columns
- Σ Reading data from EXCEL, XML and Property file
- Σ Connection with Database.
- Σ Auto-IT tool(Used for windows based app automation) and Uploading Files.

## **TestNG:**

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- Σ What is TestNG
- Σ Installing TestNG in Eclipse
- Σ TestNG annotations and Understanding usage of annotations
- Σ Running a Test in TestNG

- Σ Batch Running of tests in TestNG
- Σ Skipping Tests
- Σ Parameterizing Tests – DataProvider
- Σ Assertions
- Σ TestNG Reports
- Σ Advantages over Junit

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## **Frameworks:**

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- Σ Executing selenium tests on multiple machines with diff browsers/OS
- Σ All types of frameworks.