Selenium Tutorial – WebDriver Basics

* [***Selenium Introduction***](http://toolsqa.wpengine.com/selenium-webdriver/selenium-introduction/)

Basic Java

* [***Data Types and Variables***](http://toolsqa.wpengine.com/java/basic-java-programming/data-types-variables/)
* [***Operators***](http://toolsqa.wpengine.com/java/basic-java-programming/operators/)
* [***Decision Making***](http://toolsqa.wpengine.com/java/basic-java-programming/decision-making/)
* [***Arrays***](http://toolsqa.wpengine.com/java/basic-java-programming/arrays/)
* [***Loops***](http://toolsqa.wpengine.com/java/basic-java-programming/loops/)
* [***Classes and Objects***](http://toolsqa.wpengine.com/java/basic-java-programming/classes-objects/)
* [***Class Constructors***](http://toolsqa.wpengine.com/java/basic-java-programming/class-constructors/)
* [***String Class***](http://toolsqa.wpengine.com/java/basic-java-programming/string-class/)

Set Up Selenium WebDriver

* [***Set Up Java***](http://toolsqa.wpengine.com/selenium-webdriver/download-and-install-java/)
* [***Set Up Eclipse***](http://toolsqa.wpengine.com/selenium-webdriver/download-and-start-eclipse/)
* [***Set Up WebDriver Client***](http://toolsqa.wpengine.com/selenium-webdriver/download-webdriver-java-client/)
* [***Configure Eclipse with WebDriver***](http://toolsqa.wpengine.com/selenium-webdriver/configure-eclipse-with-selenium-webdriver/)
* [***First Test Case with FF Browser***](http://toolsqa.wpengine.com/selenium-webdriver/first-test-case/)
* [***Running Test on GeckoDriver***](http://toolsqa.com/selenium-webdriver/how-to-use-geckodriver/)
* [***Running Test on Safari Browser***](http://toolsqa.wpengine.com/selenium-webdriver/running-tests-in-safari-browser/)
* [***Running Test on Chrome Browser***](http://toolsqa.wpengine.com/selenium-webdriver/running-tests-in-chrome-browser/)
* [***Running Test on IE Explorer***](http://toolsqa.wpengine.com/selenium-webdriver/running-test-in-ie-explorer/)
* [***Internet Explorer Driver Server***](http://toolsqa.wpengine.com/selenium-webdriver/internet-explorer-driver-server/)
* [***Challenges with IE browser in Selenium WebDriver***](http://toolsqa.wpengine.com/selenium-webdriver/challenges-to-run-selenium-scripts-with-ie-browser/)

WebDriver Commands

* [***Browser Commands***](http://toolsqa.wpengine.com/selenium-webdriver/browser-commands/)
* [***Browser Navigation Commands***](http://toolsqa.wpengine.com/selenium-webdriver/browser-navigation-commands/)
* [***WebElement Commands***](http://toolsqa.wpengine.com/selenium-webdriver/webelement-commands/)
* [***FindElements Commands***](http://toolsqa.wpengine.com/selenium-webdriver/findelement-and-findelements-command/)
* [***Check Box & Radio buttons***](http://toolsqa.wpengine.com/selenium-webdriver/checkbox-radio-button-operations/)
* [***Drop Down & Multiple Selects***](http://toolsqa.wpengine.com/selenium-webdriver/dropdown-multiple-select-operations/)
* [***WebTable Handling***](http://toolsqa.wpengine.com/selenium-webdriver/handle-dynamic-webtables-in-selenium-webdriver/)

Locators & XPath

* [***Use Of Browser Inspector***](http://toolsqa.wpengine.com/selenium-webdriver/finding-elements-using-browser-inspector/)
* [***FireBug & FirePath***](http://toolsqa.wpengine.com/selenium-webdriver/xpath-firebug-firepath/)
* [***HTML Locators***](http://toolsqa.wpengine.com/selenium-webdriver/locators/)
* [***Element Locator for WebDriver***](http://toolsqa.wpengine.com/selenium-webdriver/webdriver-element-locator-firefox-add-on/)
* [***XPath Helper Plug-in for Chrome***](http://toolsqa.wpengine.com/selenium-webdriver/xpath-helper/)
* ***Fire-IE-Selenium –*** ***Coming Soon***
* [***Effective XPath***](http://toolsqa.wpengine.com/selenium-webdriver/choosing-effective-xpath/)

Selenium Tutorial – WebDriver Intermediate

Java Advance

* [***Modifiers – Access Modifiers***](http://toolsqa.wpengine.com/java/basic-java-programming/access-modifiers/)
* [***Modifiers – Non Access Modifiers***](http://toolsqa.wpengine.com/java/basic-java-programming/modifiers-non-access-modifiers/)
* [***Inheritance***](http://toolsqa.wpengine.com/java/basic-java-programming/inheritance-protected-super-final-keywords/)
* [***Polymorphism***](http://toolsqa.wpengine.com/java/basic-java-programming/polymorphism/)
* [***Exception Handling***](http://toolsqa.wpengine.com/java/basic-java-programming/exception-handling-2/)

WebDriver API

* ***Selenium WebDriver Architecture***– ***Coming Soon***
* ***Concept of Polymorphism in Selenium*** – ***Coming Soon***
* ***Encapsulation in Selenium WebDriver –*** ***Coming Soon***

Switches Alerts & Windows

* [***Wait Commands***](http://toolsqa.wpengine.com/selenium-webdriver/wait-commands/)
* [***Smart Waits***](http://toolsqa.wpengine.com/selenium-webdriver/advance-webdriver-waits/)
* [***Switch Commands***](http://toolsqa.wpengine.com/selenium-webdriver/switch-commands/)
* [***Handling Alerts***](http://toolsqa.wpengine.com/handling-alerts-using-selenium-webdriver/)
* [***Different types of Alerts***](http://toolsqa.wpengine.com/selenium-webdriver/handling-of-alerts-javascript-alerts-and-popup-boxes/)
* [***Handling Multiple Windows***](http://toolsqa.wpengine.com/selenium-webdriver/handling-multiple-browsers-in-selenium-webdriver/)
* ***Handle Unexpected Alert – – Coming Soon***
* ***Expected Condition Wait – – Coming Soon***
* [***Handling IFrames using WebDriver***](http://toolsqa.wpengine.com/selenium-webdriver/handling-iframes-using-selenium-webdriver/)
* ***Interacting with elements inside IFrame***

Action Class

* [***Drag & Drop Actions***](http://toolsqa.wpengine.com/selenium-webdriver/drag-drop/)
* [***Mouse Hover Action***](http://toolsqa.wpengine.com/selenium-webdriver/mouse-hover-action/)
* ***RightClick, Double Click & Tool Tip – Coming Soon***
* ***KeyBoard Events – Coming Soon***
* ***Robot Class – Keyboard Events – Coming Soon***

Tips & Tricks

* [***Headless browser testing***](http://toolsqa.wpengine.com/selenium-webdriver/headless-browser-testing-selenium-webdriver/)
* [***Use Of AutoIT***](http://toolsqa.wpengine.com/selenium-webdriver/autoit-selenium-webdriver/)
* [***HTTP Authentication***](http://toolsqa.wpengine.com/selenium-webdriver/http-proxy-authentication/)
* ***How to handle Proxy in Selenium WebDriver – Coming Soon***
* ***How to Handle Untrusted Certificate in Selenium or How to handle SSL Certificate in Selenium – Coming Soon***
* [***Find all the Links***](http://toolsqa.wpengine.com/selenium-webdriver/find-all-the-links/)
* [***Refresh Browser in Different Ways***](http://toolsqa.wpengine.com/selenium-webdriver/refresh-browser/)
* [***Junit Test with Selenium WebDriver***](http://toolsqa.wpengine.com/java/junit-framework/junit-test-selenium-webdriver/)
* ***Capturing ScreenShot & Entire Page ScreenShot – Coming Soon***
* ***Upload & Download files – Coming Soon***
* ***Selenium of Exceptions and handling – Coming Soon***

Selenium Tutorial – WebDriver Advance

Data Driven Technique with Apache POI (EXCEL)

* [***Download Apache POI***](http://toolsqa.wpengine.com/selenium-webdriver/download-apache-poi/)
* [***Add Apache POI***](http://toolsqa.wpengine.com/selenium-webdriver/add-apache-poi-jars/)
* [***Test Case with Excel***](http://toolsqa.wpengine.com/selenium-webdriver/data-driven-testing-excel-poi/)

Log4j Logging and its advance Usage

* [***Log4j Introduction***](http://toolsqa.wpengine.com/selenium-webdriver/log4j-introduction/)
* [***Download Log4j***](http://toolsqa.wpengine.com/selenium-webdriver/download-log4j/)
* [***Add Log4j Jars***](http://toolsqa.wpengine.com/selenium-webdriver/add-log4j-jars/)
* [***Test Case with Log4j Logging***](http://toolsqa.wpengine.com/selenium-webdriver/test-case-with-log4j/)
* [***Log4j Manager***](http://toolsqa.wpengine.com/selenium-webdriver/log4j-logmanager/)
* [***Loggers***](http://toolsqa.wpengine.com/selenium-webdriver/log4j-loggers/)
* [***Appenders***](http://toolsqa.wpengine.com/selenium-webdriver/log4j-appenders/)

TestNG Framework

* [***Introduction***](http://toolsqa.wpengine.com/selenium-webdriver/testng-introduction/)
* [***Install TestNG***](http://toolsqa.wpengine.com/selenium-webdriver/install-testng/)
* [***First Test Case with TestNG***](http://toolsqa.wpengine.com/selenium-webdriver/testng-testcase/)
* [***TestNG Test Suite***](http://toolsqa.wpengine.com/selenium-webdriver/testng-testsuite/)
* [***Annotations, Groups & DependOn***](http://toolsqa.wpengine.com/selenium-webdriver/testng-annotations-groups-depends/)
* [***Test Cases Prioritizing & Sequencing***](http://toolsqa.wpengine.com/selenium-webdriver/testng-prioritizing-sequencing/)
* [***TestNG Reporters & Asserts***](http://toolsqa.wpengine.com/selenium-webdriver/testng-reporters-asserts/)
* [***TestNG Parameters & Data Provider***](http://toolsqa.wpengine.com/selenium-webdriver/testng-parameters-data-provider/)
* [***TestNG DataProvider with Excel***](http://toolsqa.wpengine.com/selenium-webdriver/testng-data-provider-excel/)
* [***Multi Browser & Parallel Testing***](http://toolsqa.wpengine.com/selenium-webdriver/testng-multi-browser-cross-browser/)
* [***TestNG Listeners***](http://toolsqa.wpengine.com/selenium-webdriver/testng-listeners/)

DataBase Connections

* ***Database connection- Coming Soon***
* ***Database Testing in Selenium using MSAccess and Oracle – Coming Soon***

Tips & Tricks

* [***Finding broken links in Selenium automation***](http://toolsqa.wpengine.com/selenium-webdriver/finding-broken-links-selenium-automation/)
* [***Flash/Flex Testing***](http://toolsqa.wpengine.com/forums/topic/flash-flex-site-testing-using-selenium/)
* [***Custom FireFox Profile***](http://toolsqa.wpengine.com/selenium-webdriver/custom-firefox-profile/)
* [***Java Script & Selenium***](http://toolsqa.wpengine.com/selenium-webdriver/javascript-tricks-using-selenium/)
* [***Scroll Element into View***](http://toolsqa.wpengine.com/selenium-webdriver/scroll-element-view-selenium-javascript/)
* [***Selenium WebDriver Event Listener***](http://toolsqa.wpengine.com/selenium-webdriver/event-listener/)

Interview Questions

* [***Selenium Interview Questions Part-1***](http://toolsqa.wpengine.com/selenium-webdriver/selenium-interview-questions-part-1/)
* [***Selenium Interview Questions Part-2***](http://toolsqa.wpengine.com/selenium-webdriver/selenium-interview-questions-part-2/)

Selenium Tutorial – Automation Framework

Hybrid Automation Framework

* [***Automation Framework***](http://toolsqa.wpengine.com/selenium-webdriver/automation-framework-introduction/)
* [***Page Object Model***](http://toolsqa.wpengine.com/selenium-webdriver/page-object-model/)
* [***Modular Driven Framework***](http://toolsqa.wpengine.com/selenium-webdriver/modular-driven/)
* [***Functions Parameters***](http://toolsqa.wpengine.com/selenium-webdriver/function-parameters/)
* [***Constant Variables***](http://toolsqa.wpengine.com/selenium-webdriver/constant-variables/)
* [***Data Driven Framework***](http://toolsqa.wpengine.com/selenium-webdriver/data-driven-testing-excel-poi/)
* [***Log4j Logging***](http://toolsqa.wpengine.com/selenium-webdriver/log4j-logging/)
* [***TestNG Reporting***](http://toolsqa.wpengine.com/selenium-webdriver/testng-reporting/)
* [***User Defined Function***](http://toolsqa.wpengine.com/selenium-webdriver/user-defined-functions/)
* [***Object Repository***](http://toolsqa.wpengine.com/selenium-webdriver/object-repository/)
* [***Exception Handling***](http://toolsqa.wpengine.com/selenium-webdriver/exception-handling-selenium-webdriver/)
* [***Hybrid Automation Framework***](http://toolsqa.wpengine.com/selenium-webdriver/selenium-automation-hybrid-framework/)

Keyword Driven Framework

* [***Keyword Driven Framework – Introduction***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/introduction/)
* [***Steps to Set up Keyword Driven Framework***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/steps-set-framework/)
* [***Identify and Implement Action Keywords***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/identify-implement-action-keywords/)
* [***Set Up Data Engine – Apache POI (Excel)***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/set-excel-apache-poi/)
* [***Use of Java Reflection Class***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/java-reflection-class/)
* [***Set Up Java Constant Variables***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/set-up-java-constant-variables/)
* [***Object Repository***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/object-repository/)
* [***Test Suite Execution Engine***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/test-suite-execution-engine/)
* [***Log4j Logging***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/log4j-logging/)
* [***Exception Handling***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/exception-handling/)
* [***Test Result Reporting***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/test-result-reporting/)
* [***Data Driven Technique***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/data-driven-technique/)
* [***Framework for Manual Testers***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/framework-manual-testers/)
* [***Project Code Base***](http://toolsqa.wpengine.com/selenium-webdriver/keyword-driven-framework/project-code-base/)

Framework Designing Principles

* [***Factory design principle in Selenium Tests***](http://toolsqa.wpengine.com/selenium-webdriver/factory-design-principle-in-frameworks/)
* [***Object Repository using Properties file***](http://toolsqa.wpengine.com/selenium-webdriver/object-repository-in-selenium/)
* [***Object Repository for Selenium using JSON***](http://toolsqa.wpengine.com/selenium-webdriver/object-repository-for-selenium-using-json/)
* [***Page Object Factory***](http://toolsqa.wpengine.com/selenium-webdriver/page-object-pattern-model-page-factory/)
* ***Hard Asserts & Soft Asserts – Coming Soon***

Continuous Integration

Maven

* [***Maven Introduction***](http://toolsqa.wpengine.com/java/maven/maven-introduction/)
* [***Install Maven in Eclipse IDE***](http://toolsqa.wpengine.com/java/maven/how-to-install-maven-eclipse-ide/)
* [***Install Maven on Windows***](http://toolsqa.wpengine.com/java/maven/how-to-install-maven-on-windows/)
* [***Install Maven on Mac***](http://toolsqa.wpengine.com/java/maven/how-to-install-maven-on-mac/)
* [***How to Create a New Maven Project***](http://toolsqa.wpengine.com/java/maven/create-new-maven-project/)
* [***How to Create a New Maven Project in Eclipse***](http://toolsqa.wpengine.com/java/maven/create-new-maven-project-eclipse/)
* [***Configure Selenium Continuous Integration with Maven***](http://toolsqa.wpengine.com/java/maven/configure-selenium-continuous-integration-maven/)

Jenkins

* ***Jenkins Introduction – Coming Soon***
* ***Selenium Integration with Jenkins – Coming Soon***