# SELENIUM

# Basics of Selenium

1. Overview of selenium
2. Installations and Configurations
3. [HTML concepts required for Selenium](http://www.seleniumeasy.com/selenium-tutorials/basic-html-concepts-required-selenium)
4. Basic Locator Concept
5. Installing Firebug & Firepath Addons
6. Launch Chrome browser
7. Launch Chrome IE browser
8. Launch Firefox browser
9. Webdriver Methods
10. Synchronization Concept
11. Handling Frames
12. Taking Screenshot Using Webdriver
13. Handling Dropdown
14. [Handling Cookies in Webdriver](http://www.seleniumeasy.com/selenium-tutorials/how-to-handle-cookies-in-selenium-webdriver)
15. Drag and Drop element
16. Webdriver Wait
17. Handling Alert pop up
18. Retrieve Attribute Value
19. Click Button and Enter Value in Textbox
20. Basic Interview questions

# Advance Concept of Selenium

1. Dynamic Xpath
2. [Scrolling web page](http://www.seleniumeasy.com/selenium-tutorials/scrolling-web-page-with-selenium-webdriver-using-java)
3. Handling Ajax Autosuggests
4. Concept of Firefox profile and implementation
5. Wait for browser to load completely – JavaScript concept
6. Counting Number of link on a page
7. Keyword-Driven Framework
8. Page Object Model Framework
9. Selenium Grid Concepts & Architecture
10. Setup Selenium Grid

# TestNG

1. Overview of TestNG
2. Install TestNG in Eclipse
3. TestNG Annotations
4. DataProvider in TestNG
5. Test Case Priority
6. Assertions
7. Test Case Timeout
8. Skip Exception
9. TestNG Groups & OnDepends Annotations
10. Optional annotation in TestNG
11. Creating TestNG xml file
12. Parameterization in TestNG usingTestNG.xml
13. Taking Screenshot ONLY for Failed Tests
14. Parallel Execution of methods/Class in TestNG
15. Include and Exclude Test Methods
16. TestNG Listeners
17. Preserver Order in TestNG
18. Logging with TestNG using Listeners
19. Retry Failed Tests in TestNG
20. Create TestNG xml at run-time