

How to install Selenium :

- Download Eclipse ide for Java developers and install it on your machine.
- In eclipse IDE a project is a test suite in the test suite there are test-cases.
- Test cases are java classes, written selenium API in java language.
- You can write java code in java class files.
- In the test suite, you need to define the test case.

How to create test cases (JAVA class files)?

- Create a class and design it, each class inside the src folder is a test case.

How to make a connection with selenium?

Selenium is a JAR file. It connects selenium with eclipse.

- a. Selenium jars must be downloaded online (seleniumhq.org)
- b. After downloading selenium jars, unzip and install into project name (test suite) on eclipse. Hover the mouse on the project and right click on it, then select properties, then select java Build path, click on libraries tab, and add the jars downloaded from the internet by clicking "add external jars" tab. Lastly add the 2 jars from your folder where the items were unzip.
- c. Add ALL JARS from libs folder too.

How to write a basic program to run the browser via ECLIPSE IDE.

Before writing code or automation, YOU must create first a **DRIVER OBJECT**

- A. Search selenium hq online, click on javadoc, and find webdriver, click on it. Read DOCUMENTATION.
- B. Next, create driver object for chrome,

C. On eclipse go to project and on test case (java class), type the following syntax and import webdriver and chromedriver jars. (YOU SHOULD SEE AN ERROR ON THE CODE SIMPLY HOVER OVER AND IMPORT)

```
WebDriver driver = new ChromeDriver();  
Import                               Import
```

D. NEXT: 3rd party browser don't belong to selenium, in order to invoke web browser. STEP 2 is needed.

- a. Navigate back to selenium hq. Org (downloads) and scroll down to "Third party browser driver not developed by seleniumhq" click on the latest version.

- b. If working on a mac, download mac64 for other platforms use win64 or linux 64 zip file.
- c. Download the file, then extract and copy the new file.
- d. Open excel sheets and type the following properties.
 webdriver.chrome.driver path/path/path/path/chromedriver
 webdriver.gecko.driver
 webdriver.ie.driver

E. Then copy the path of the unzipped file “chromedriver” and paste the path on into the next cell next to “webdriver.chrome.driver..

F. go back to the eclipse project and type the following syntax.

```
System.setProperty("webdriver.chrome.driver", "path/path/path/path/chromedriver");
```

NOTE!!! The path/path/path/path is simply the location path of the file “chromedriver, don’t type “path/path/path” or it will not work.

G. Now we will execute the following syntax to call google.com to appear on the screen. On eclipse type the following code.

```
driver.get("http://google.com");
```

Then SAVE and run as JAVA APPLICATION.

H. Watch the console on the bottom make calls. And google chrome should be popping up on your screen. IF NOT. read again and start all over. :P.

Congrats now we can automate anything we want on the net. :) cheers.