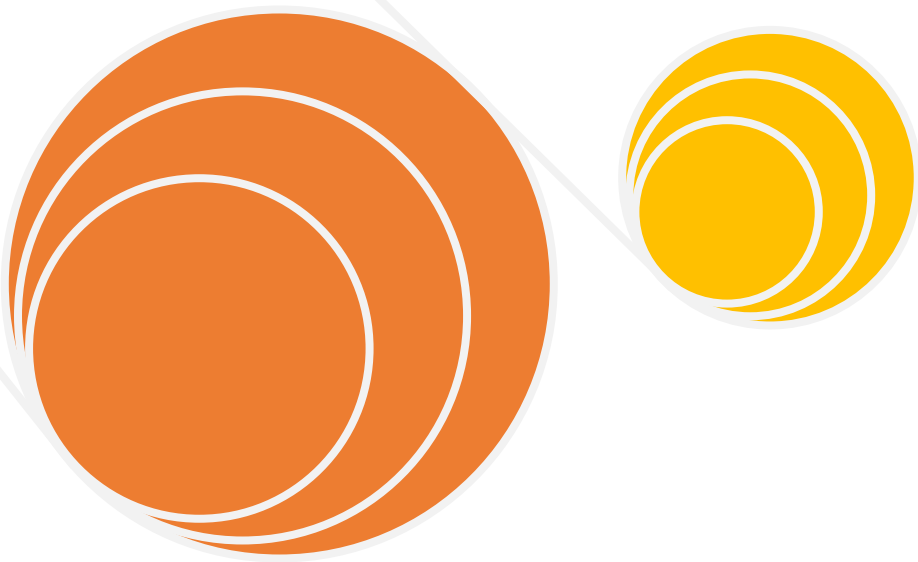




Always Ahead



Pre classroom - Software Installation Process

Includes Selenium IDE, JDK, Eclipse, Selenium and Maven Installation Guides

This document can assist the Selenium learners to install the required software for classroom sessions by self.

TestLeaf Team
4/5/2017



01 – Download Software

Pre-Requisite/Note:

- Your Laptop or Desktop should be connected to good internet
- Need Google or Gmail account. If you do not have one, please create one by visiting <https://accounts.google.com/SignUp>
- If you have Gmail account ready, go to <https://groups.google.com/> and login with Gmail account and confirm your have access to Google group by address “sel-july-2017@googlegroups.com”. If you do not have access, reach to support team.

Steps:

1. Go to your laptop / desktop drive (any drive that you have 2 GB of space), create a folder by name "Testleaf"
2. Now, Login to your Google / Gmail account using your browser.
3. Load the URL
["https://drive.google.com/drive/folders/0B4TNhT0ttYH1dFBCaWNYwnJwUEk?usp=sharing"](https://drive.google.com/drive/folders/0B4TNhT0ttYH1dFBCaWNYwnJwUEk?usp=sharing)
4. **Download** "Softwares and Videos" to your local hard disk. Note: This will be about 2+ GB of contents that includes software, reference videos, books etc.

Note: If incase the download failed due to bad internet connection, it is preferred to try again. Worst scenario, please reach us in Whatsapp for support.

For example:

E:\TestLeaf\Softwares and Videos

- This is the path referred in the further instructions.
- You can store it any folder and remember it during the further instructions.

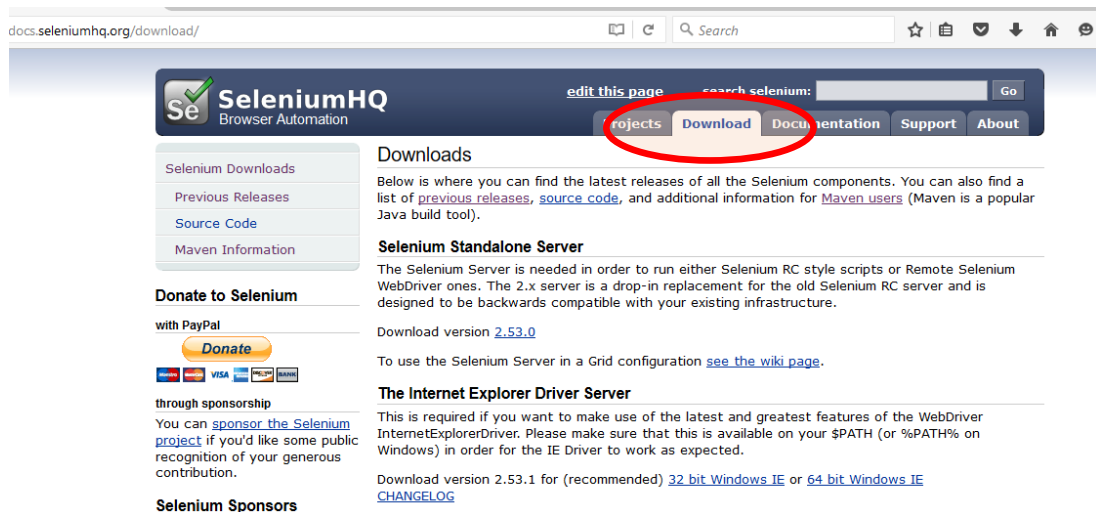
02 - Installation Steps for Selenium IDE

Note:

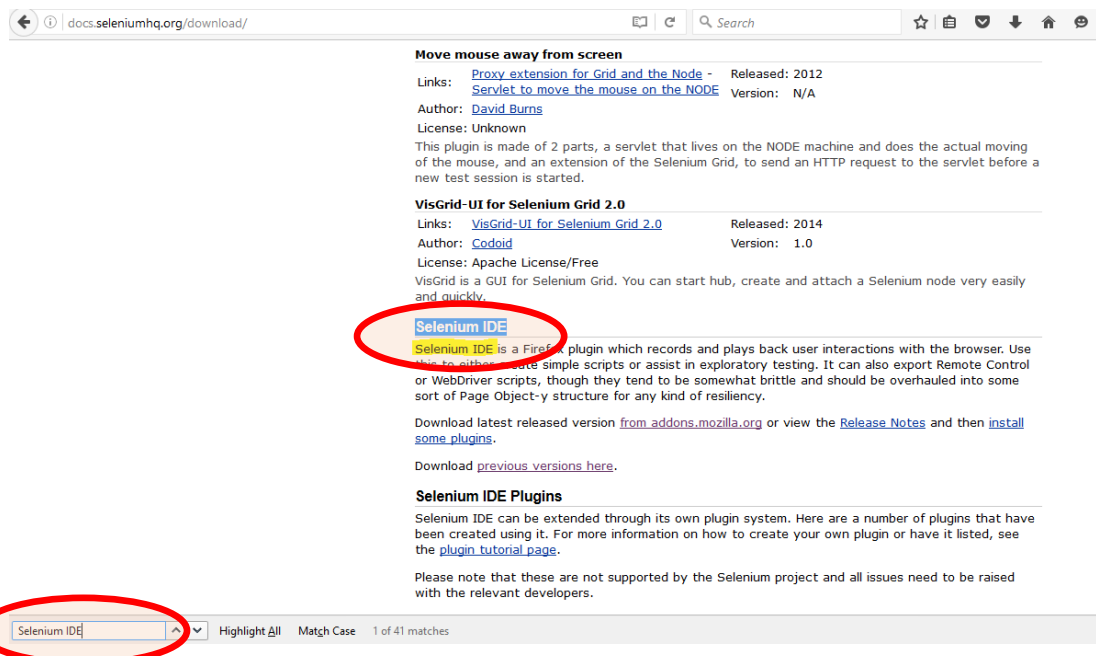
- Use only FireFox Browser (if you do not have FireFox browser, install it visiting <https://www.mozilla.org/en-US/firefox/new/>)
- If you have issues with the IDE installation, look at this space.

Steps:

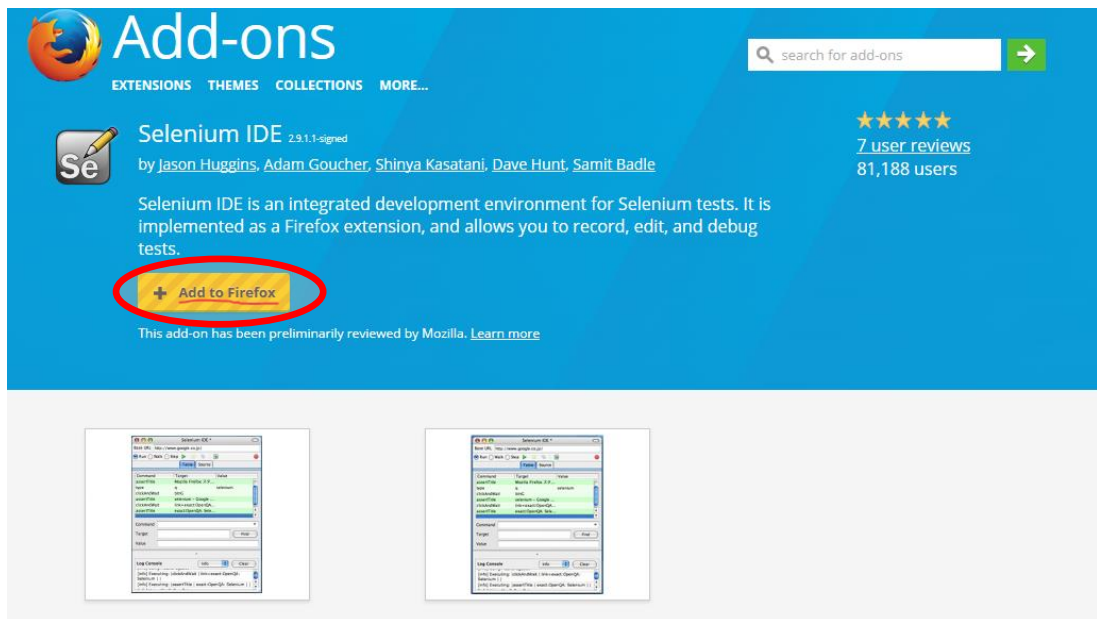
1. Load the URL <http://www.seleniumhq.org/download/>



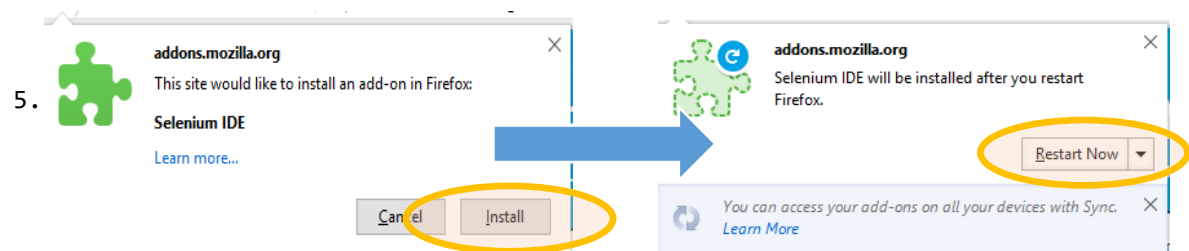
2. Press Ctrl + F (Find Box Appears) and type "Selenium IDE" in the Find Box; Confirm Selenium IDE paragraph appears



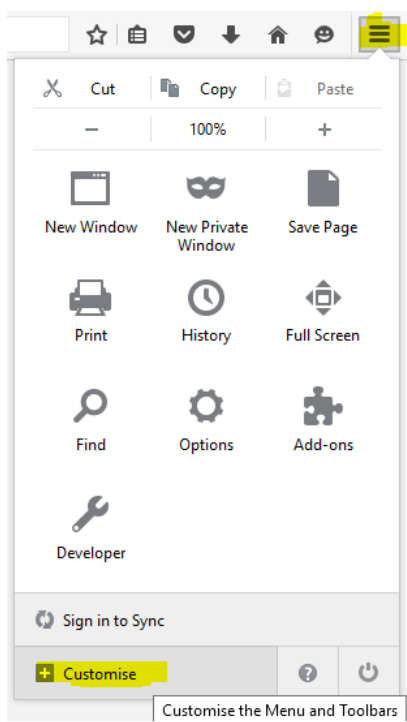
- Click on [from addons.mozilla.org](https://addons.mozilla.org) link and Click on 'Add to FireFox' Button



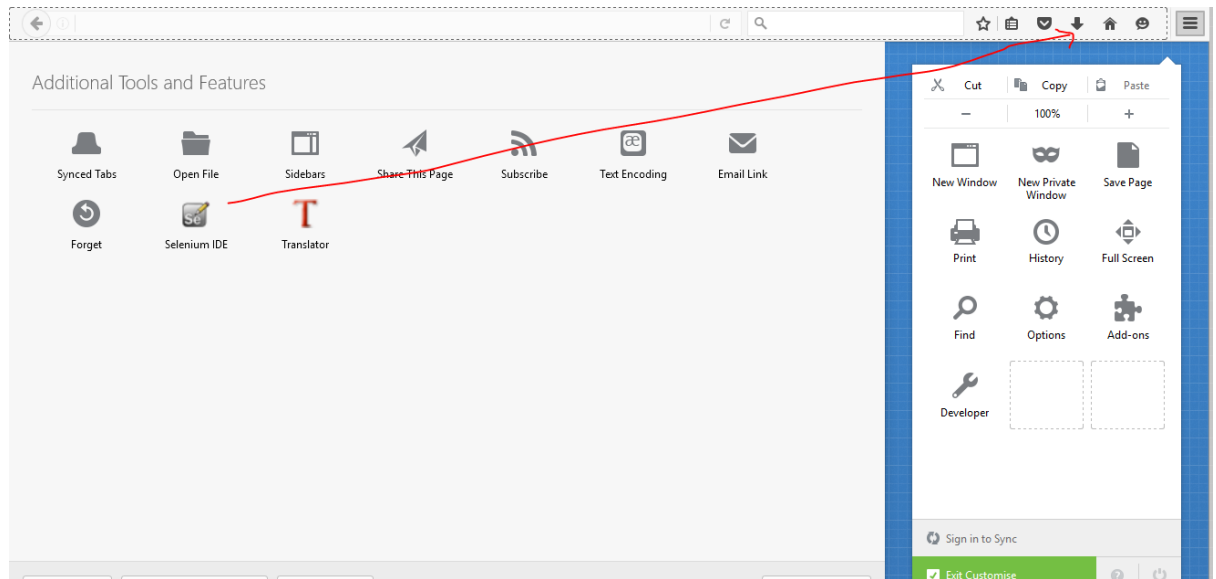
- A Pop box appears with Cancel & Install option. Click on Install Button; After Installing, A Pop up box appears with Restart Now button. Click on Restart Now Button



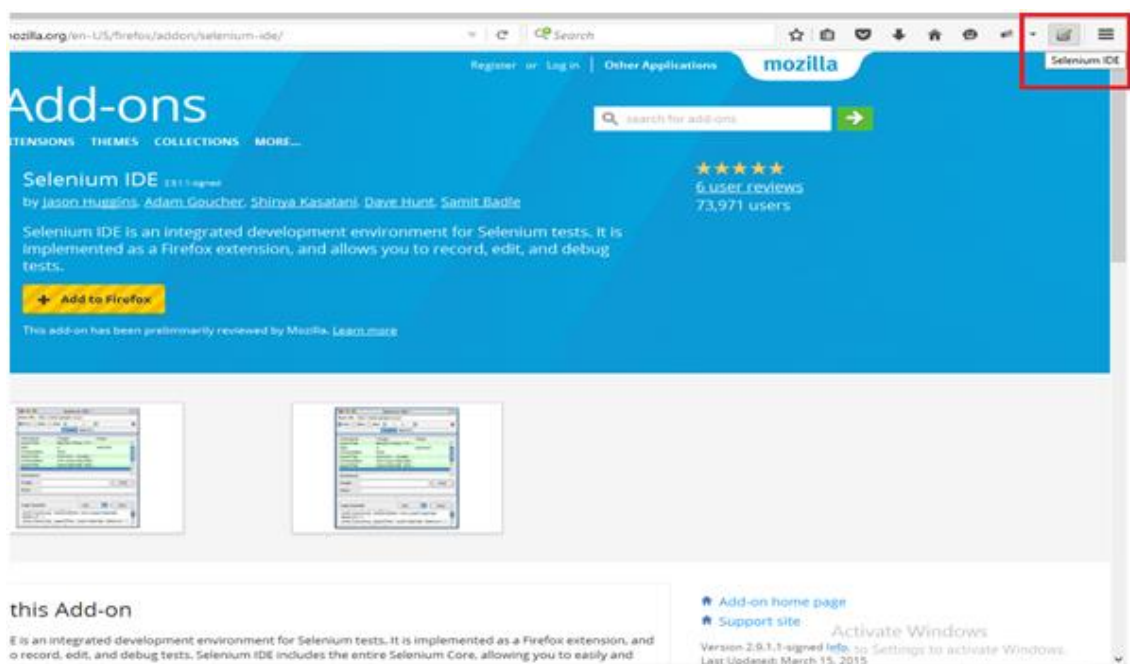
- The Firefox browser is restarted and the Selenium IDE is ready. If you do not see the IDE on the tool bar, follow these steps.
- In Firefox, click on Menu icon and Click Customize



8. You will see IDE on the centre pane, drag and drop it to toolbar



9. Now, IDE appears on the Top-Right corner of the browser. Then click on the Selenium IDE button, the record and play back window appears



10. Installation Process for Selenium IDE ends here. 😊

03 - Installation Steps for JDK

Note: It is preferred to Java 32 bit (If you do not know if it is 32 or 64, follow the below steps). If you have 64 bit, it is preferred to uninstall and install 32 bit (as 32 can run on both 32 bit 64 bit OS and vice versa not possible)

Steps:

1. Check if java is installed in your machine already and know what version and type, if installed?

If you are using windows or MAC or Linux operating system then type in command prompt / terminal

```
java -version
```

If java is installed then you will get something like this

```
java version "1.8.0_91"  
Java(TM) SE Runtime Environment (build 1.8.0_91-b14)  
Java HotSpot(TM) Client VM (build 25.91-b14, mixed mode)
```

Note: In this case, the version is 1.8 and mixed mode means it is of 32 bit version; else you have 64 but jdk/jre.

If you are 32 bit JDK 1.8 installed users, go to next page

For all 64 bit JDK machine holders, you have 2 choices :

- a) Either you can uninstall JDK and install 32 bit JDK 1.8 version on your 64 bit machines too. No difference in performance is noted
- b) Or you can stay with 64 bit JDK but the downloaded eclipse (part of TestLeaf software library) may not be useful for you. So you need to download Eclipse 64 bit)

But we recommend option a) as the eclipse downloaded from TestLeaf provided software has other required Plugin and software bundles. So we recommend uninstalling 64 bit and installing 32 bit JDK.

If java not installed before, you will see a message stating 'java' is not recognized.

If so, follow the steps as given in this link to complete the installation using the JDK software provided in the drive.

<http://www.wikihow.com/Install-the-Java-Software-Development-Kit>

If you have java 1.7 or 1.6, uninstall JDK/JRE from your machine from control panel, and download 32 bit JDK

<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
(and download -> jdk-8u121-windows-i586.exe)

2. On successful completion of JDK installation, go to command prompt / terminal and type

```
java -version
```

And you will see the right version (1.8) and of 32 bit available

3. Installation Process for JDK ends here. 😊

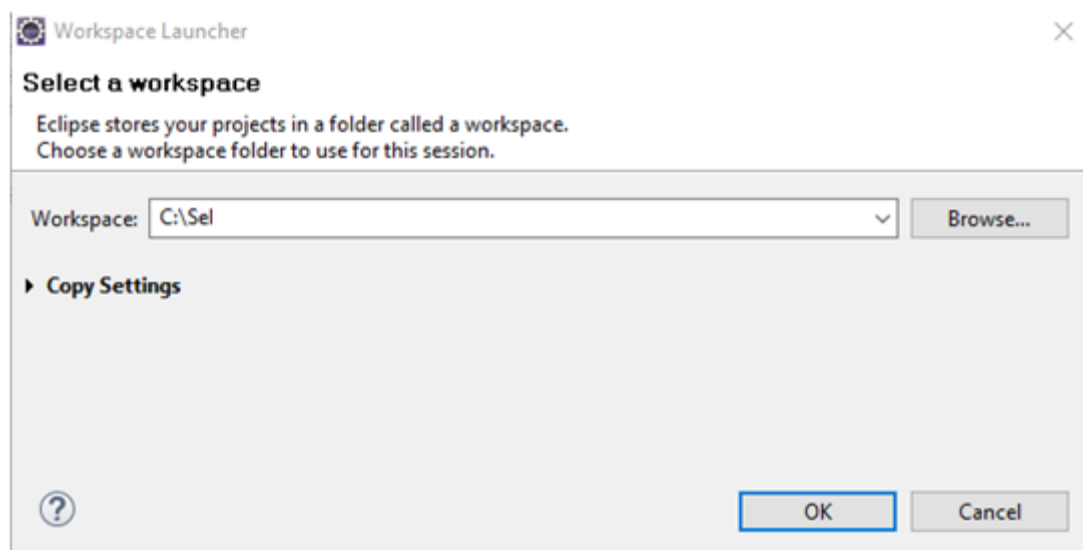
04 - Installation Steps for Eclipse

Pre-Requisite/Note:

- JDK 1.8 should be installed prior to the Eclipse installation (Selenium 3.x mandatory requires 1.8)
- You should have installed winrar software to unrar eclipse.rar
- Internet should be available during Maven project creation
- You can as well follow using this URL: <http://www.tech-recipes.com/rx/39279/create-a-new-maven-project-in-eclipse/>

Steps:

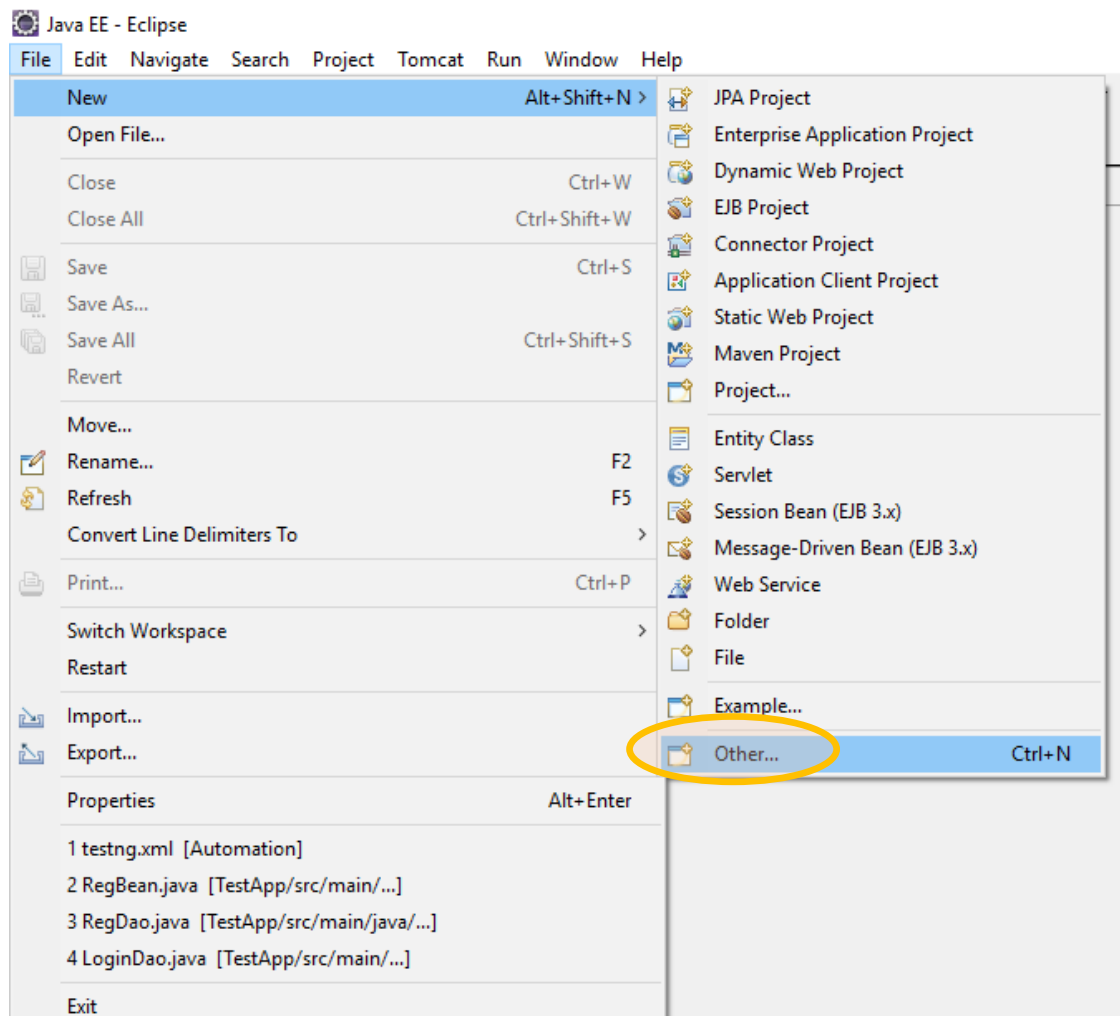
1. Go to the downloaded software folder given by TestLeaf and go to Softwares and unrar eclipse.rar file (that means extract the contents of eclipse rar file)
2. Once extracted, go inside the extracted folder and click on eclipse application. *[Eclipse does not require installation, just copying the given folder will enable you to use Eclipse]*
3. Choose the convenient workspace(Project Path ~ This can be of any path) and click ok



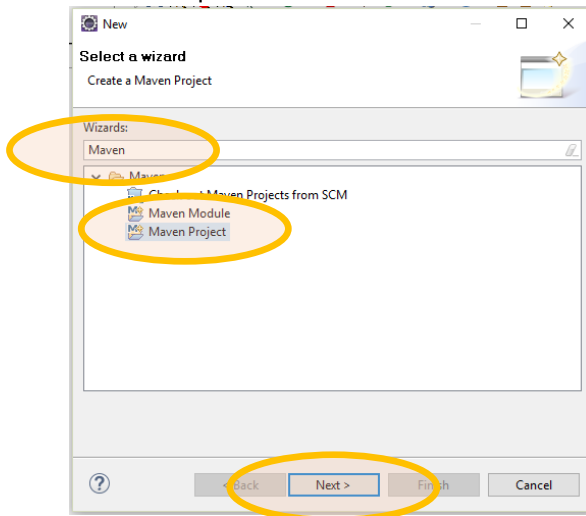
4. Read and Close the welcome tab



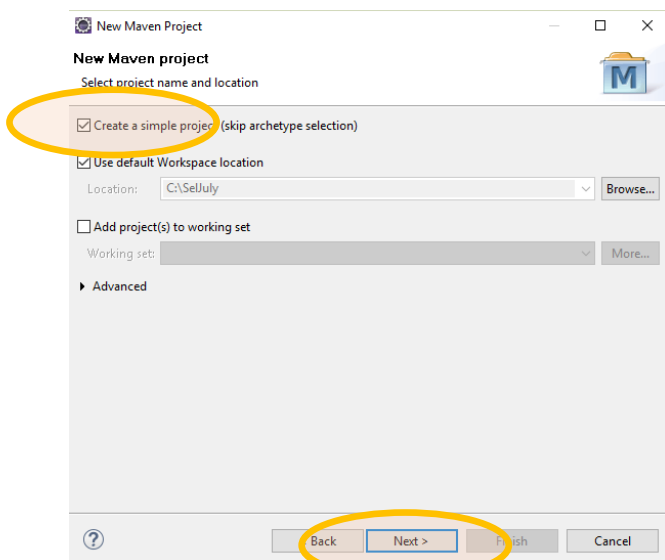
5. Click on new project icon and select other



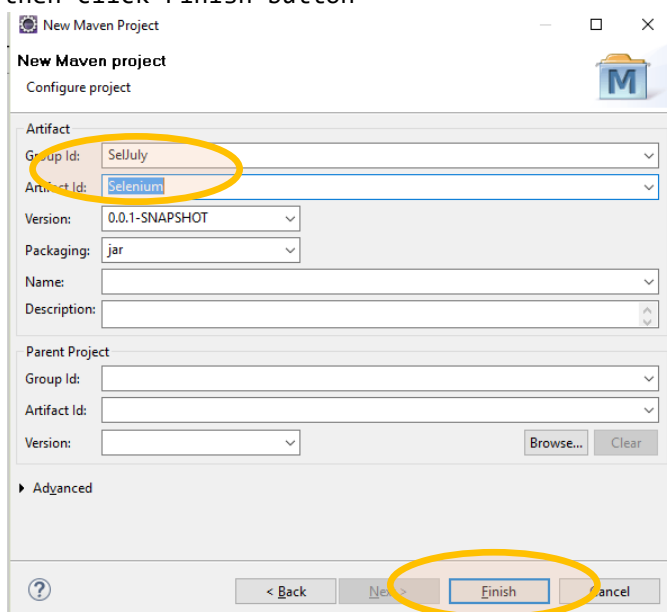
6. Type Maven and Choose Maven folder and then click Maven Project and proceed to Next option



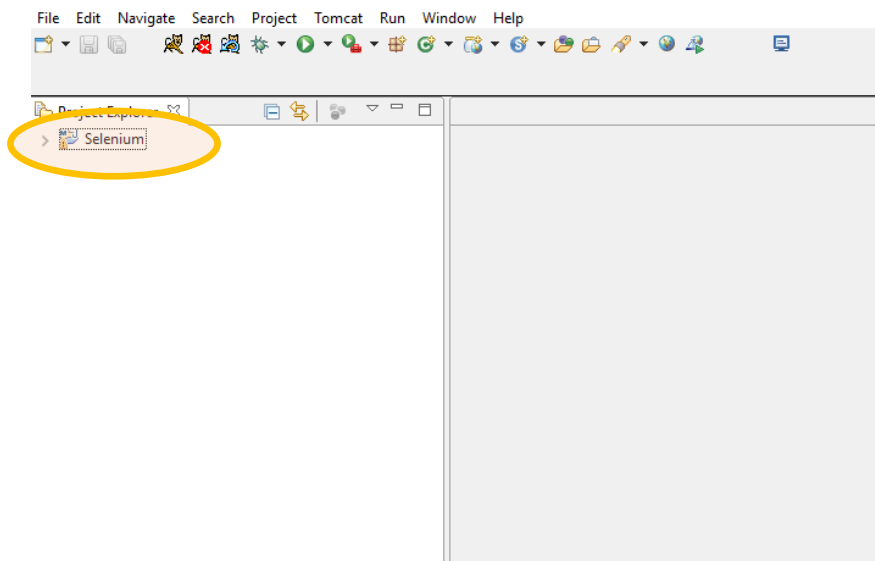
7. Check the box create a simple project & click Next



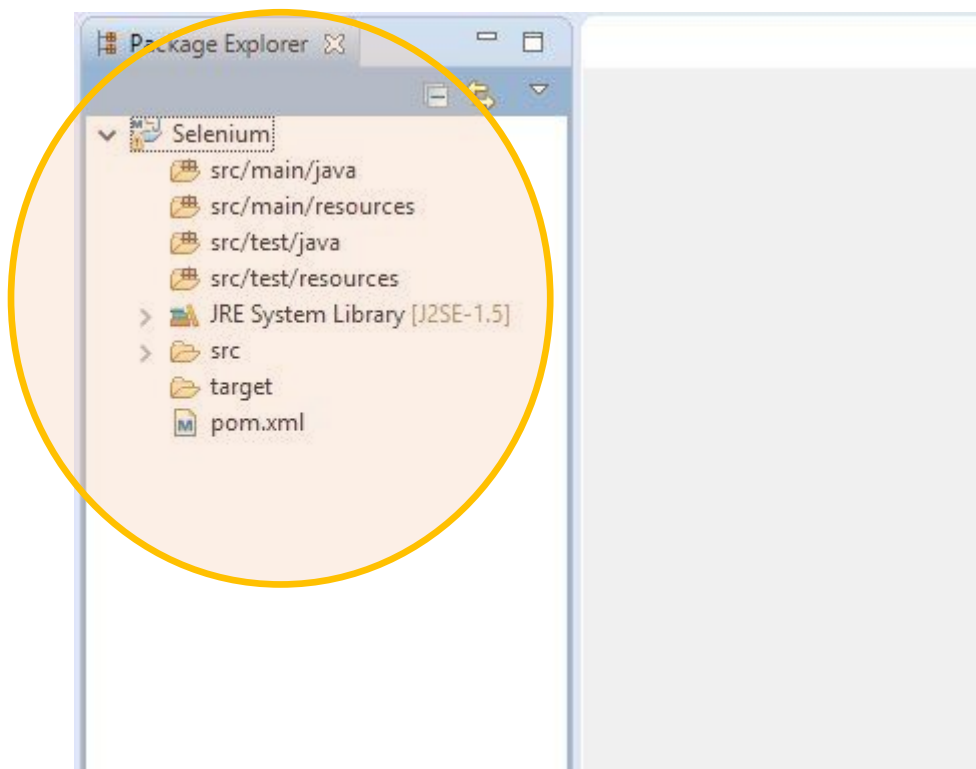
8. Enter Group ID & Artifact ID as of your wish (Let the name be relevant) & then click Finish button



9. Maven Project is created. Check for the project update at the Bottom Right corner of the eclipse application

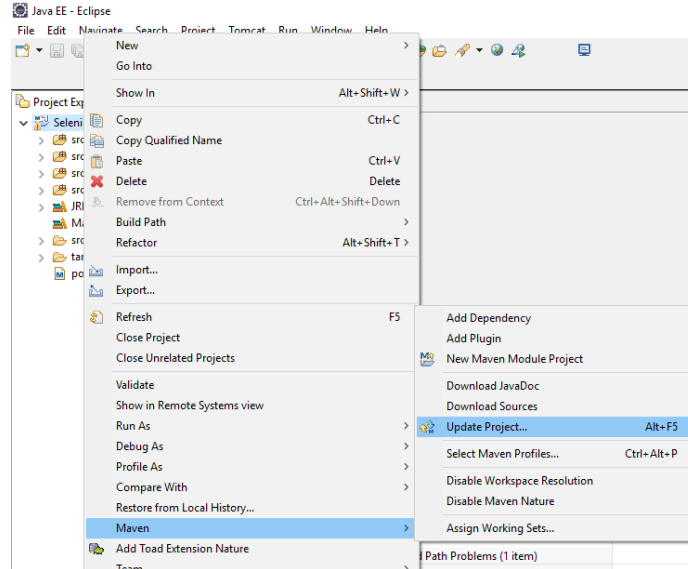


10. Once the update is complete. The project looks as below

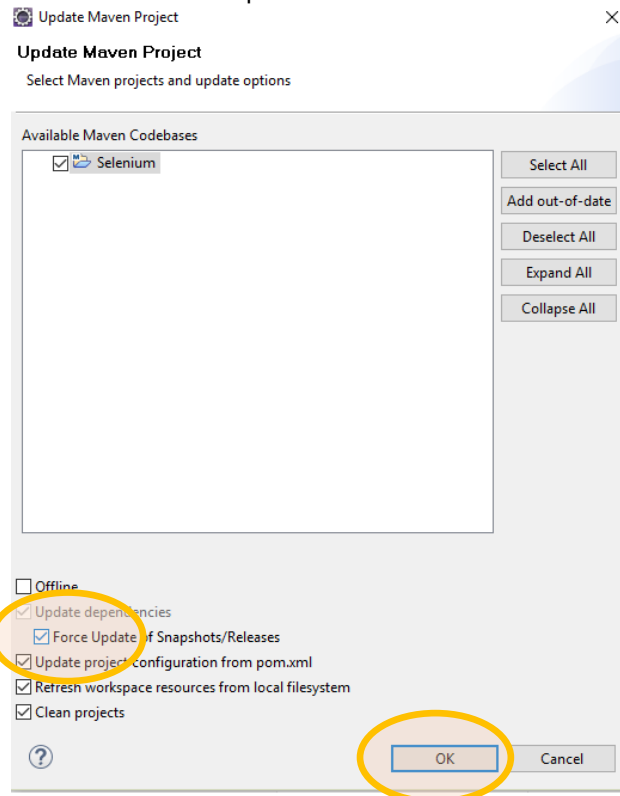


If it does not look like above snapshot, confirm the internet is enabled and follow the below steps; else go to Step 10:

1. Right click on the Project and Select Maven -> Update Project



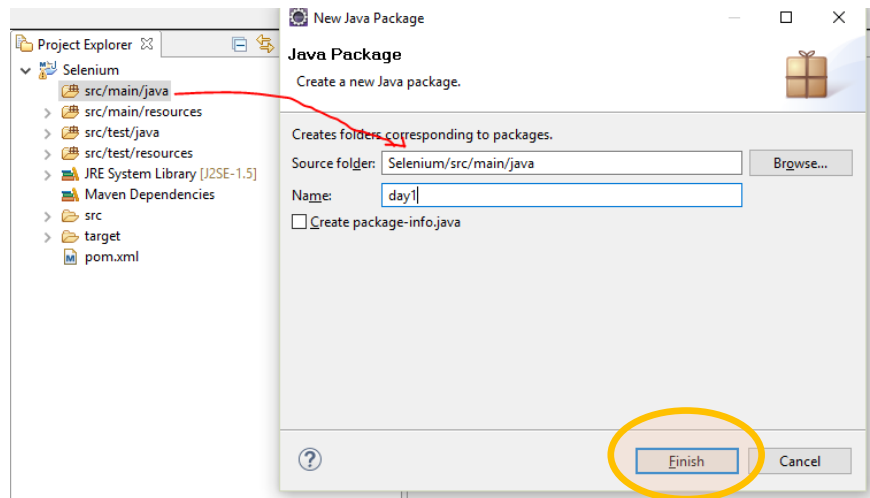
2. Check Force Update and Click OK



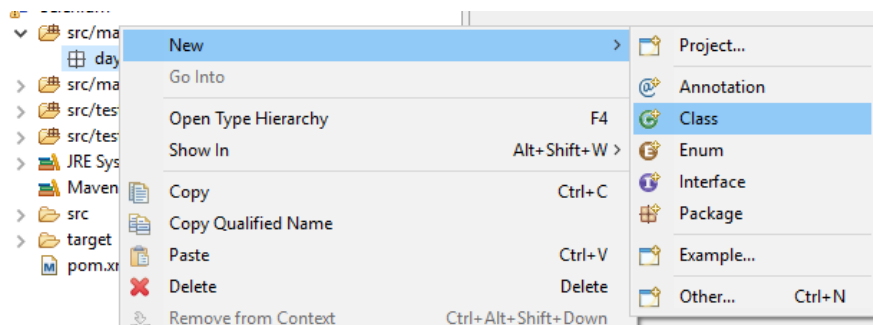
3. And that should download all required dependencies and make it look like Step 9.

If yet your folder structure in eclipse looks not like step 9, then Whatsapp in the main group.

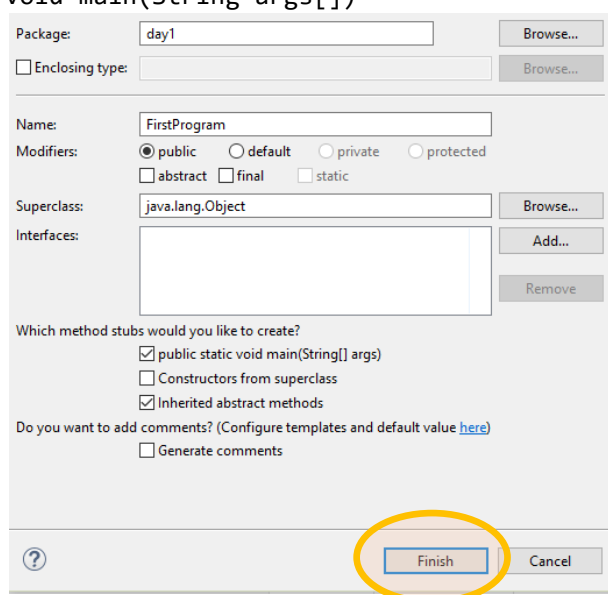
11. Right click on src/main/java, click on New & then click on package. In the New Java Package dialogue box, give the package name, which should be in lower camel case and click finish button.



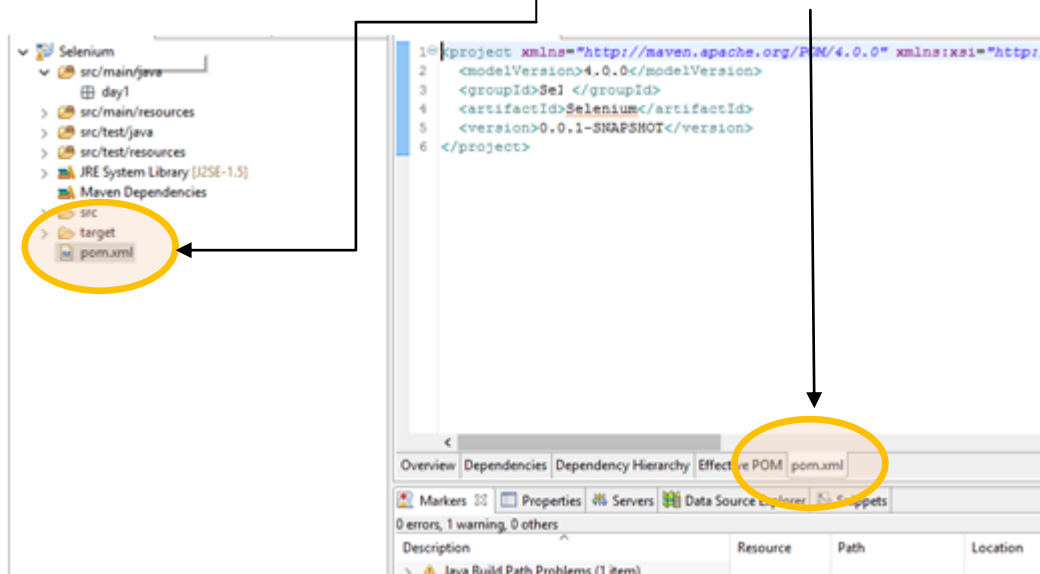
12. Right click on package, click on New & then click on class.



13. In the New Java Class dialogue box, Give the class name which should be in upper camel case and click finish button and check the box “Public Static void main(String args[])”



14. Go to the Project Explorer, click **pom.xml** and click **pom.xml** tab.



15. Now copy the contents of pom.txt from the TestLeaf downloaded folder path (inside the 'Softwares and Videos' folder)

16. And **place in after line 5 and before line 6** (that is between /version> and </project tag) contents in Eclipse and then 'Save'. And then will trigger auto download of the required libraries from the maven dependencies.

Selenium WebDriver Jar files would get downloaded from the Maven dependencies.

Note: If you had any other difficulties, call the support team and plan to visit the training office to update your software before the training commences.

05 - Browsers

Please note that you are supposed to have latest Firefox (47 +) and chrome browsers (atleast 53 + but preferred 59) installed in your laptop / desktop else selenium will not support your script.

Note: If you do not know how to check your browser version, use this link as reference:

<http://www.computerhope.com/issues/ch001329.htm>

On completing this software installation, please go to your Whatsapp group and mention that you completed with the following information.

<Your name>

Installation completed successfully on <date time> with following details

Selenium IDE	: Completed
JDK install/Update	: Completed
Eclipse	: Completed
Maven Update	: Completed
Browser Update	: Completed