



Pre Classroom – Software Installation Document

Includes JDK, Eclipse, Selenium and Gradle Installation Guides

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1) 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>. And Update about new Mail ID to the TestLeaf Support Team for Google drive access.

- If you have Gmail account ready, go to <https://groups.google.com/> and login with Gmail Account and confirm you have access to Google group by name ""

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 "<http://tinyurl.com/SelSW>"
4. Download "software's" to your local hard disk. Note: This will be about 2+ GB of contents that includes software, reference videos, books etc.

For example:

E:\TestLeaf\Selenium

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

2) Installation Steps for JDK

Steps:

1. Check if java is installed in your machine already

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

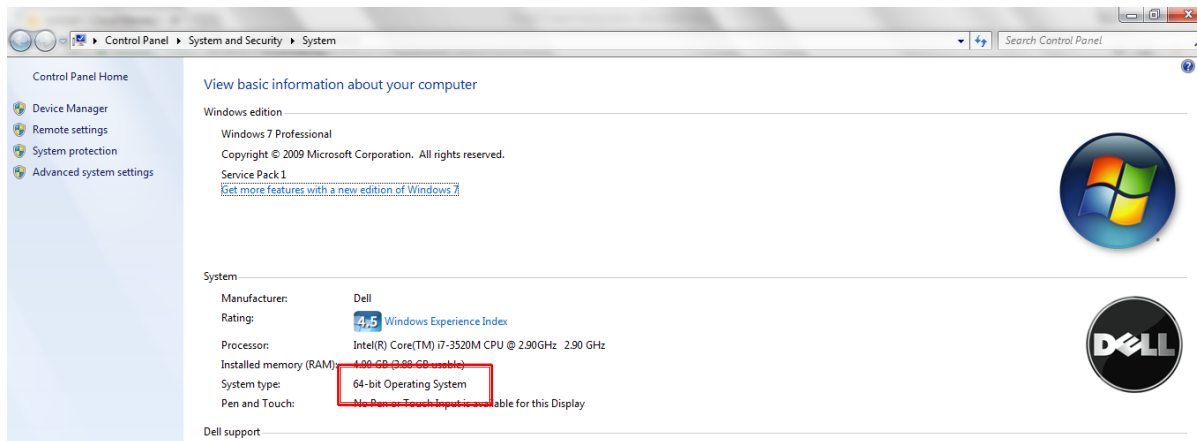
```
java version "1.8.0_91"  
  
Java(TM) SE Runtime Environment (build 1.8.0_91-b14)  
Java HotSpot(TM) Client VM (build 25.91-b14, mixed  
mode)
```

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 or 64 bit JDK 1.8 installed users, go to [NEXT PAGE](#)

Based on System configuration download the Jdk 32 or 64 bit software from the given link.

(To know your system configuration, Right click on My Computer or This System and click properties.)



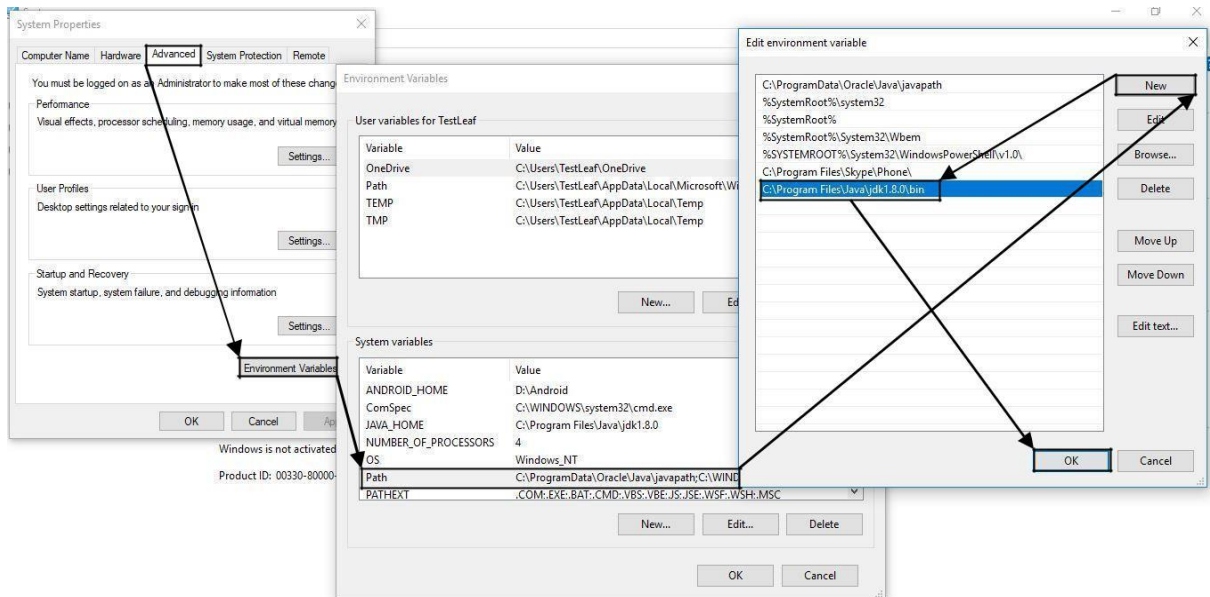
Once download double click on the file and do the on screen procedure.

Once Installation is done, Set path as shown below.

Set the Java Path as an Environmental Path Variable

- Go to the below location in your machine.
- Path: Control Panel\System and Security\System
- Click on “Advanced system settings” and click on Environment Variables
- Add the Java path in the Path variable under the System Variables
E.g.: C:\Program Files\Java\jdk1.8.0\bin

(Path might differ based on 32 or 64 bit OS)



On successful completion of JDK installation, go to command prompt / terminal and type **java -version**

```
java version "1.8.0_151"
Java(TM) SE Runtime Environment (build 1.8.0_151-b12)
Java HotSpot(TM) Client VM (build 25.151-b12, mixed mode, sharing)
```

Installation Process for JDK ends here.

3) Installation Steps for Eclipse

Pre-Requisite/Note:

JDK 1.8 should be installed prior to the Eclipse installation

You should have installed WinRAR software to extract eclipse.rar

Internet should be available during Maven project creation

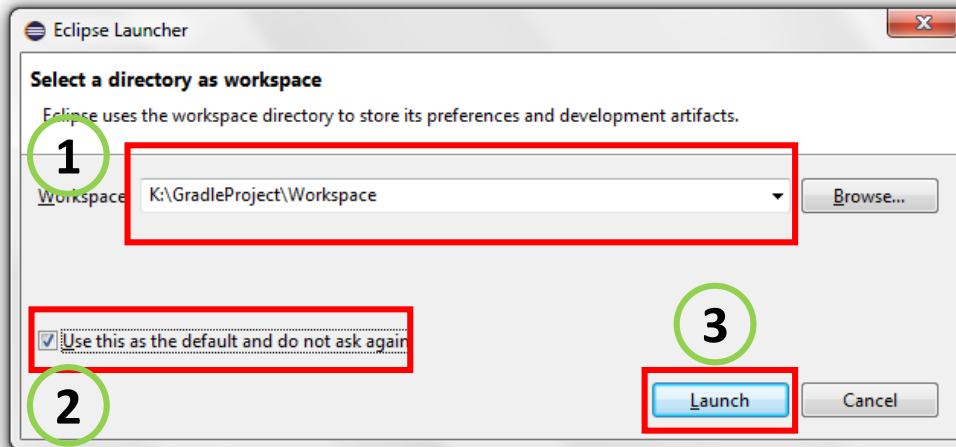
You can as well follow using this URL <http://www.tech-recipes.com/rx/39279/create-a-new-maven-project-in-eclipse/>

Steps:

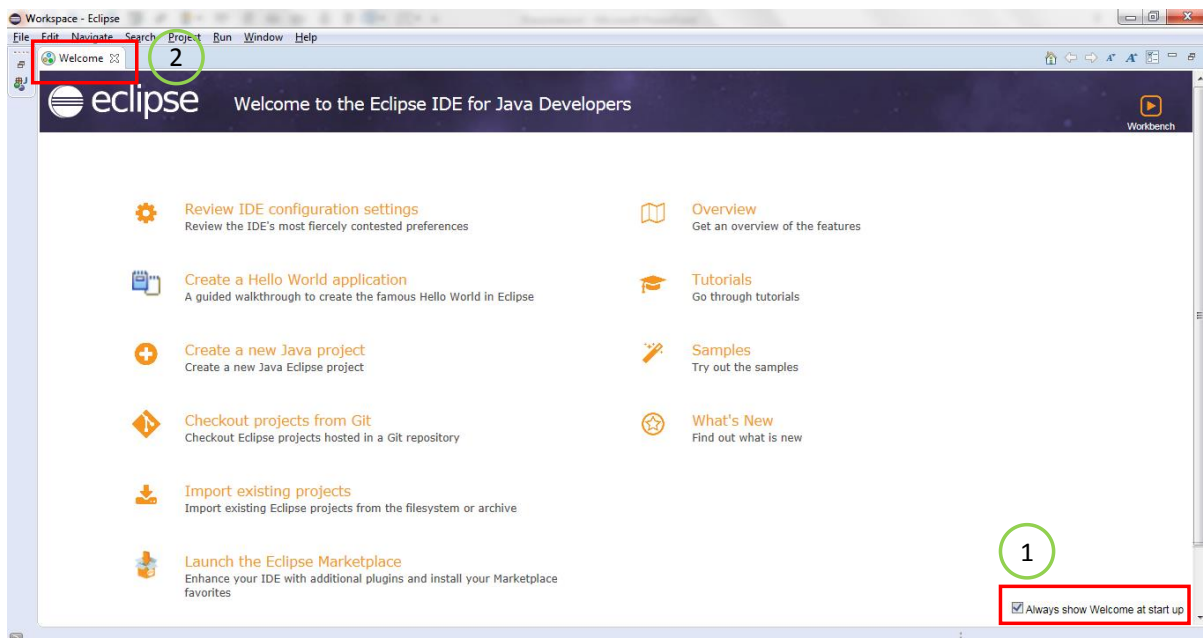
Go to the downloaded software folder given by TestLeaf and go to software's and extract eclipse.rar file (that means extract the contents of eclipse rar file)

GRADLE PROJECT SETUP

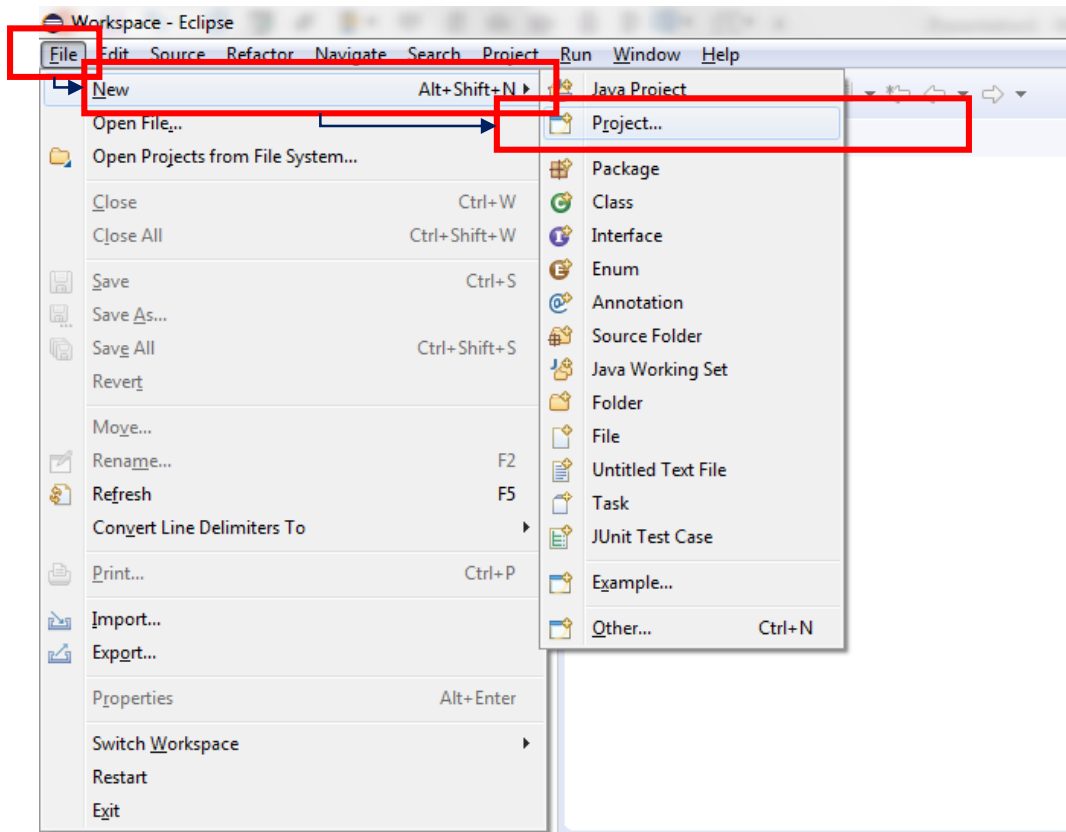
- 1) Once extracted, go inside the extracted folder and click on eclipse application.
[Eclipse does not require installation, just copying the given folder will enable you to use Eclipse]
Choose the convenient workspace(Project Path this can be of any path) and click ok



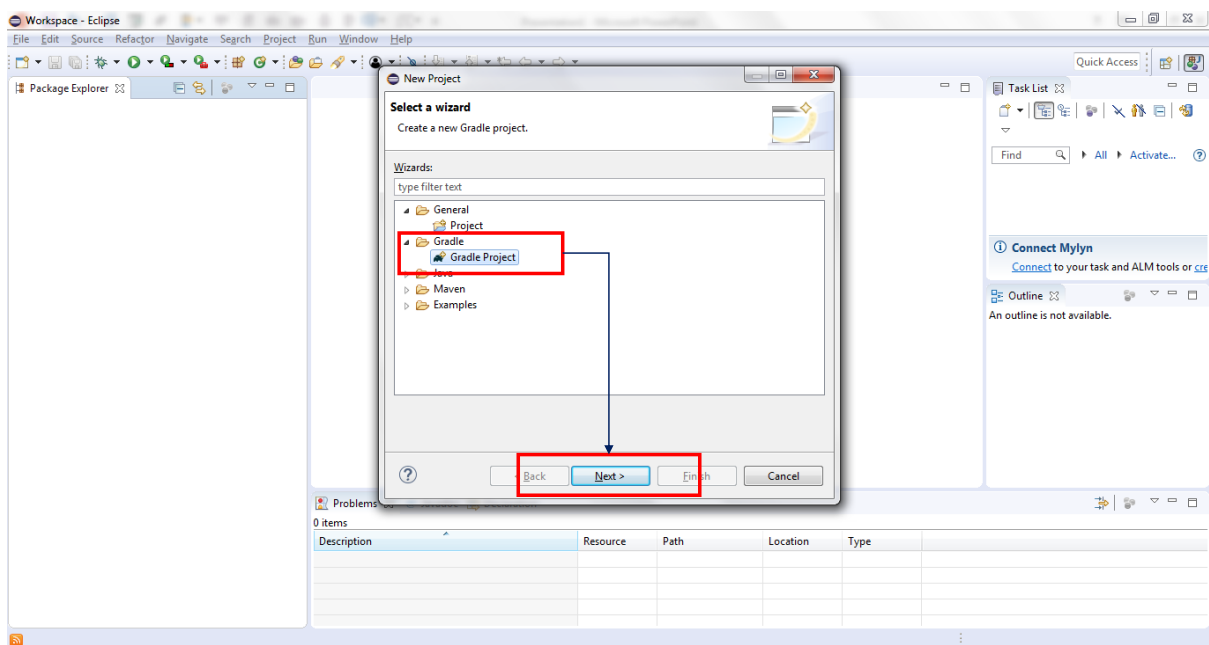
- 2) Close the welcome tab



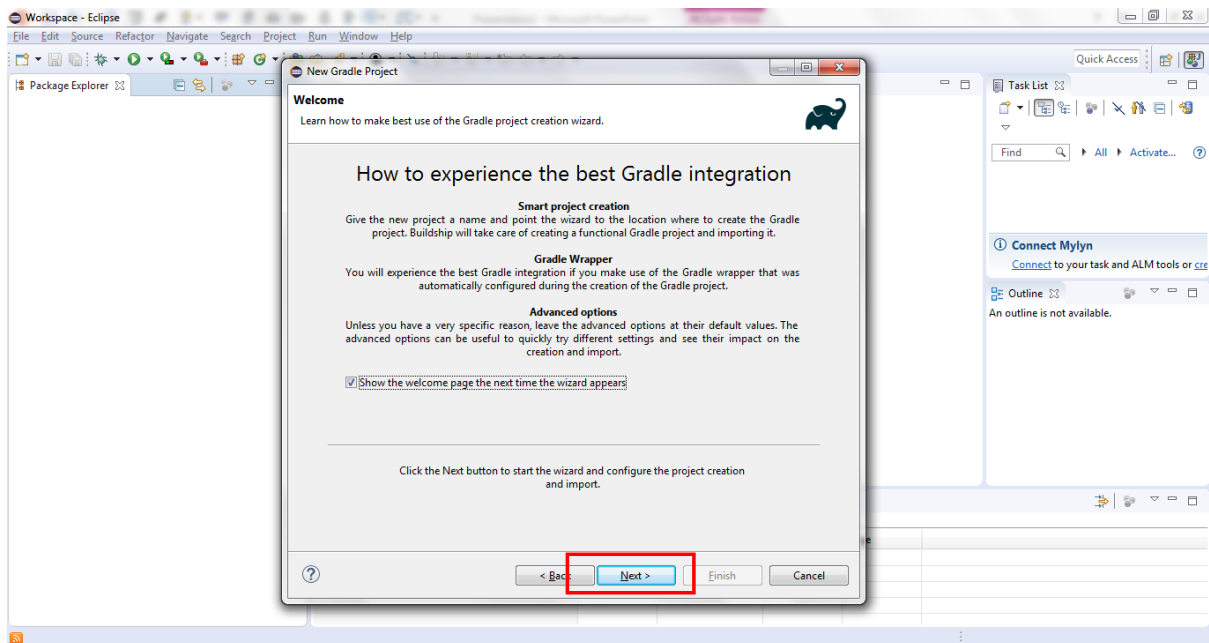
3) Click on File -> New -> Project



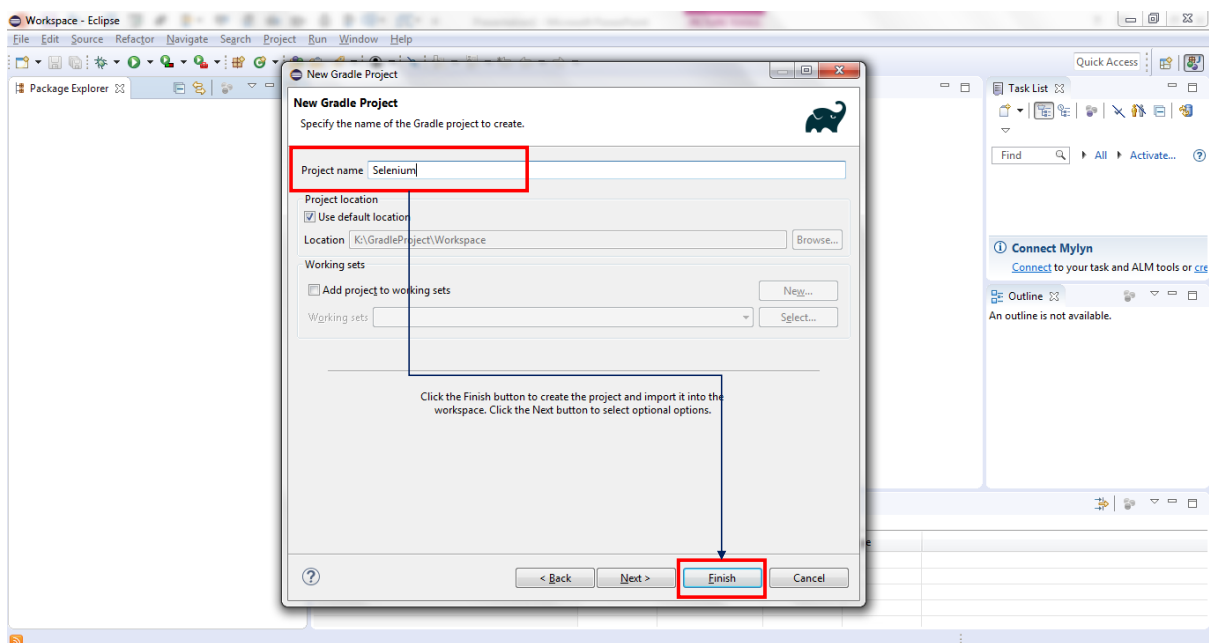
4) Click on Gradle Project and click Next



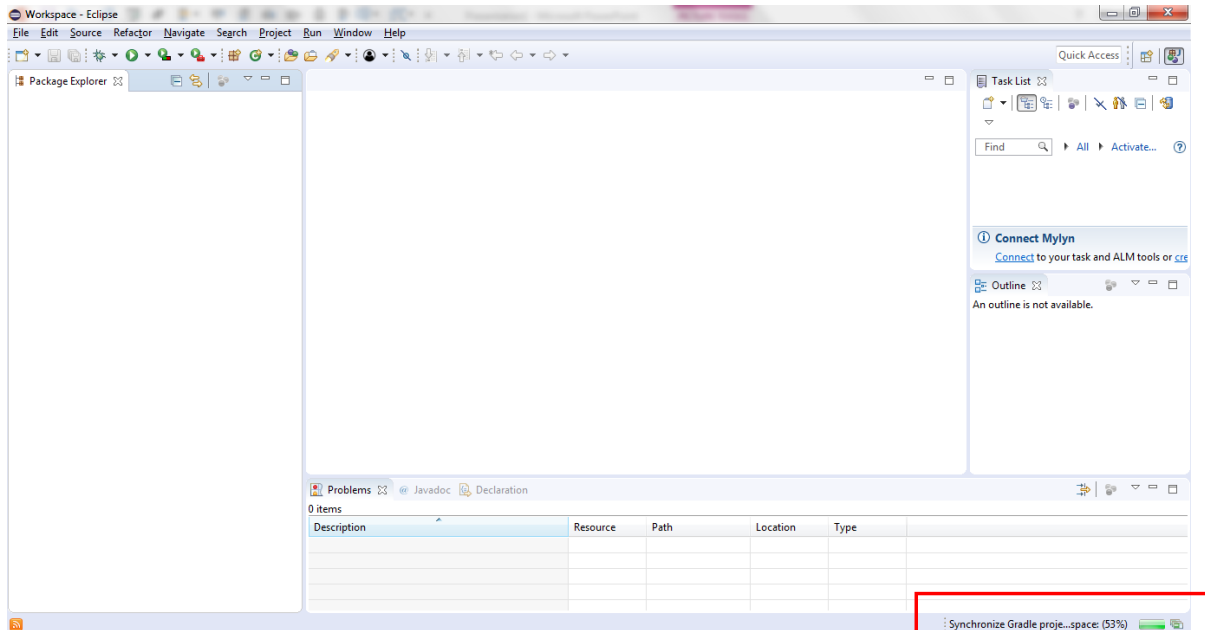
5) Click Next



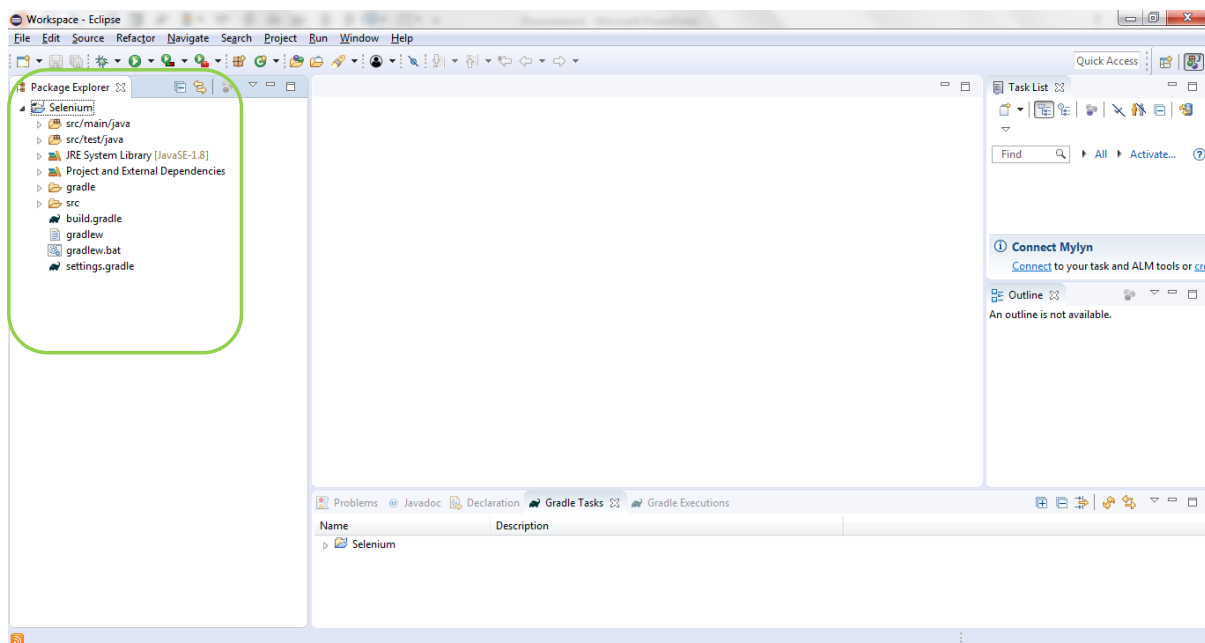
6) Type a Project Name (E.g. - Selenium) -> Click Finish



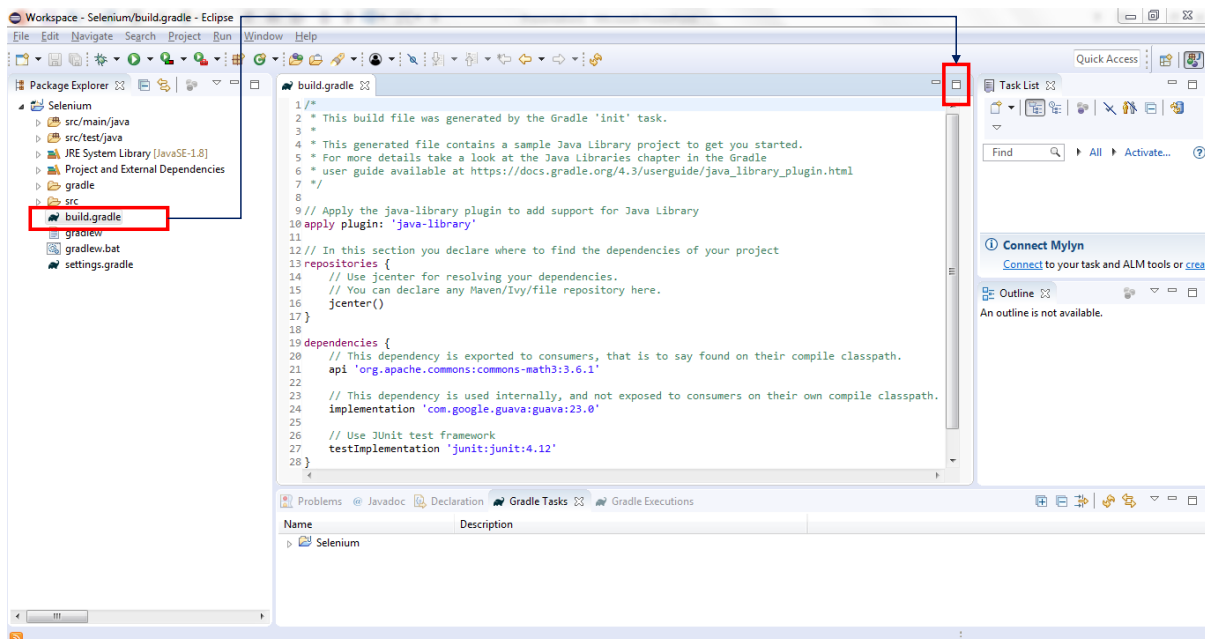
- 7) It will take some time to synchronize the project.
(Optional – Click on the tab to see the progress)



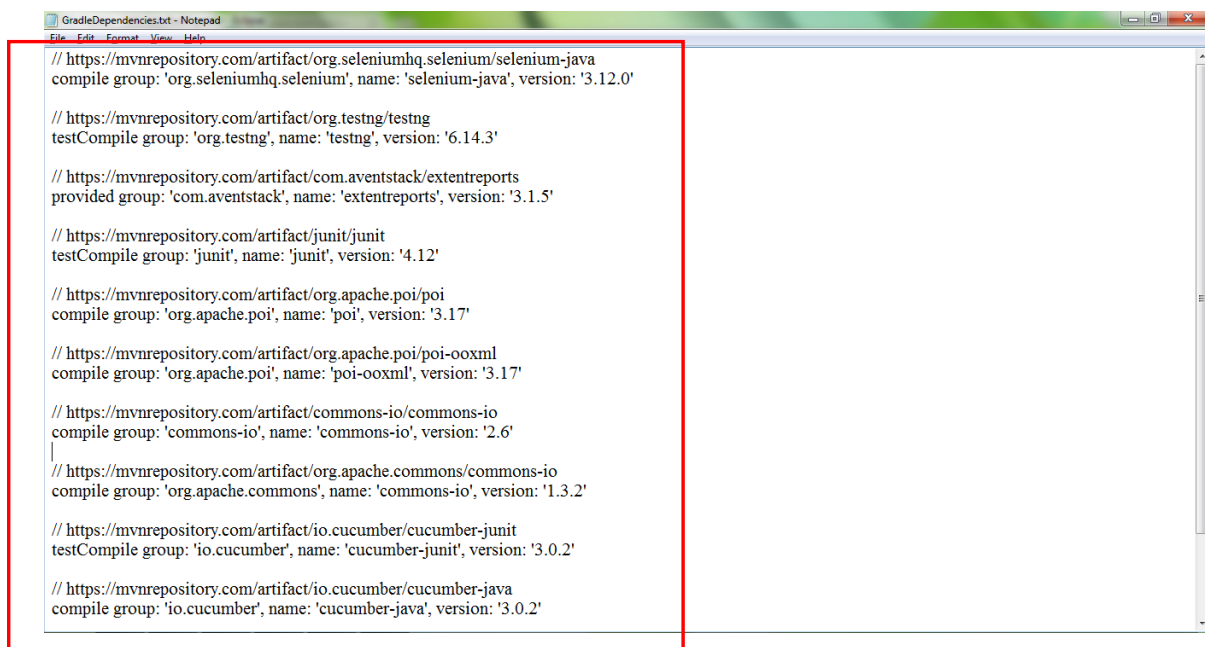
- 8) Once the synchronize is completed, you should get a same project structure as below



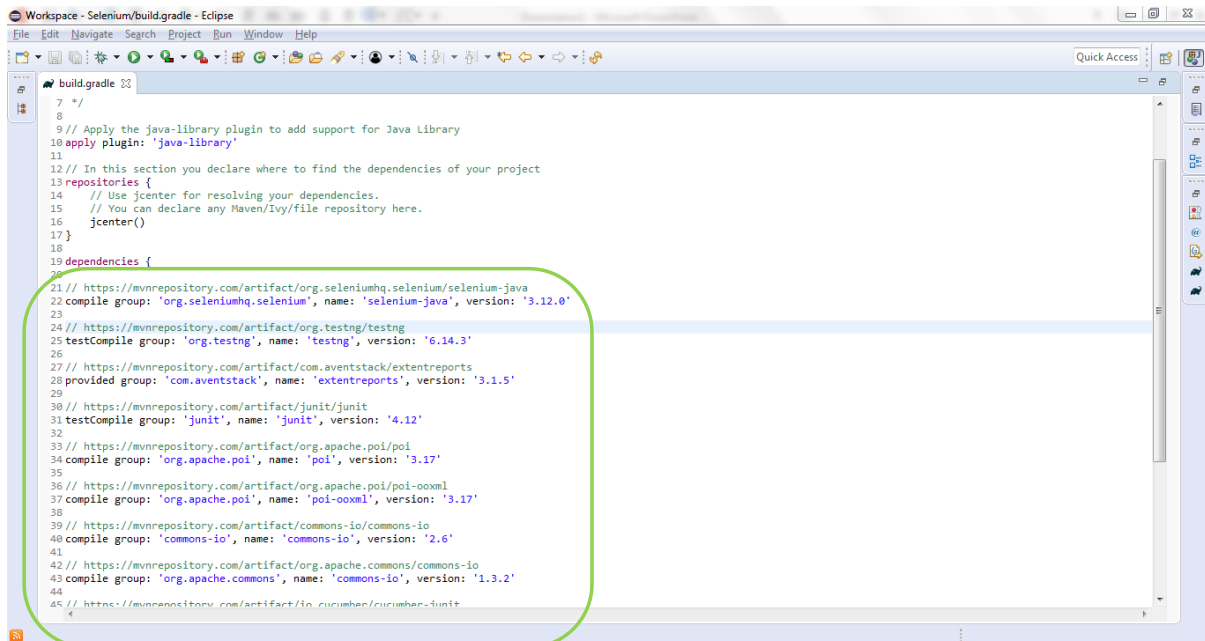
9) Double click on the build.gradle and maximize the screen by clicking on the icon



10) Copy all the dependencies from the text file which is already downloaded from the Google drive (if not downloaded, you can download from Gradle dependencies folder in Google drive)



11) Paste the dependencies below the **dependencies {** tag as shown below

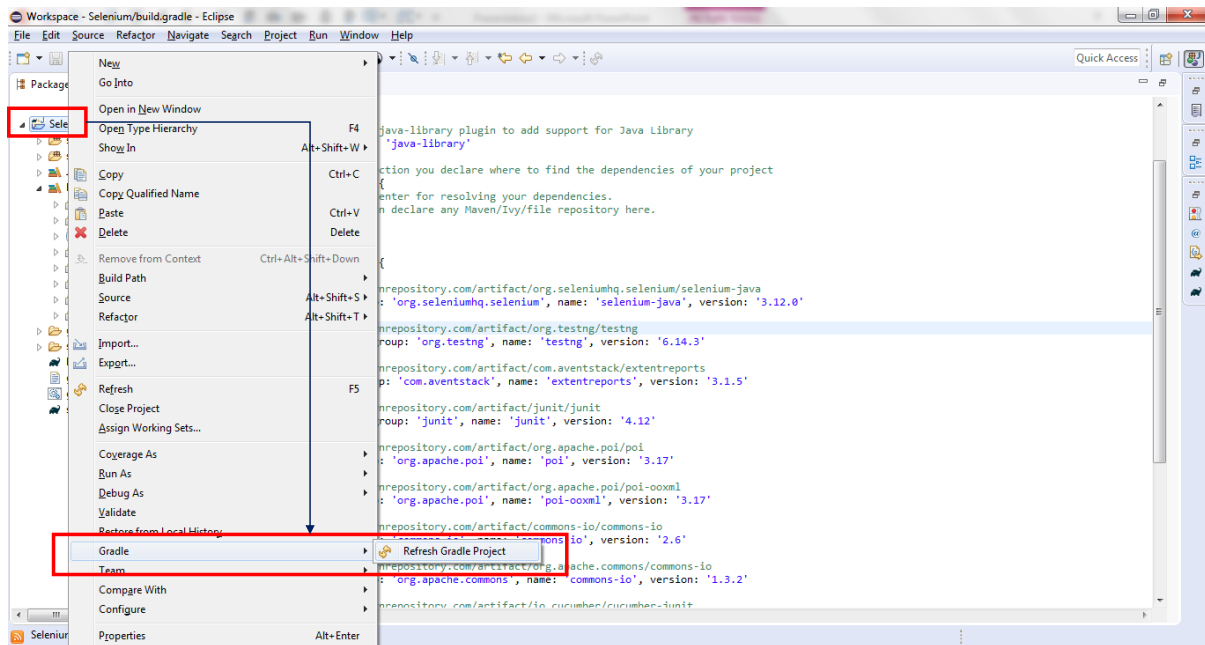


```

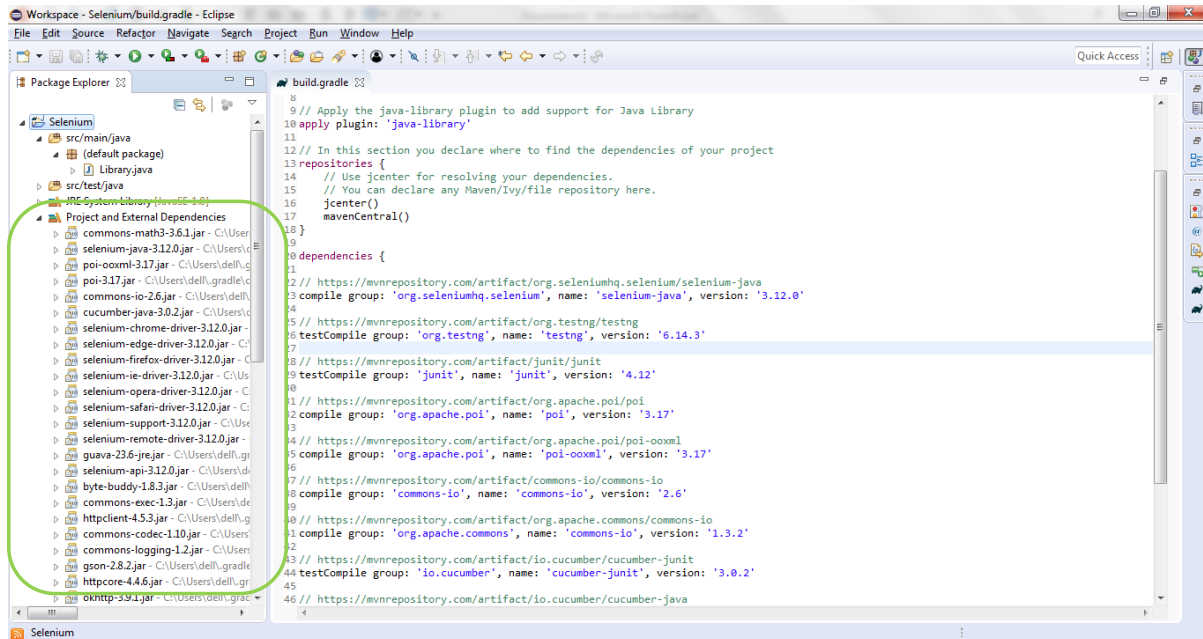
7 */
8
9 // Apply the java-library plugin to add support for Java Library
10 apply plugin: 'java-library'
11
12 // In this section you declare where to find the dependencies of your project
13 repositories {
14     // Use jcenter for resolving your dependencies.
15     // You can declare any Maven/Ivy/file repository here.
16     jcenter()
17 }
18
19 dependencies {
20
21 // https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java
22 compile group: 'org.seleniumhq.selenium', name: 'selenium-java', version: '3.12.0'
23
24 // https://mvnrepository.com/artifact/org.testng/testng
25 testCompile group: 'org.testng', name: 'testng', version: '6.14.3'
26
27 // https://mvnrepository.com/artifact/com.aventstack/extentreports
28 provided group: 'com.aventstack', name: 'extentreports', version: '3.1.5'
29
30 // https://mvnrepository.com/artifact/junit/junit
31 testCompile group: 'junit', name: 'junit', version: '4.12'
32
33 // https://mvnrepository.com/artifact/org.apache.poi/poi
34 compile group: 'org.apache.poi', name: 'poi', version: '3.17'
35
36 // https://mvnrepository.com/artifact/org.apache.poi/poi-ooxml
37 compile group: 'org.apache.poi', name: 'poi-ooxml', version: '3.17'
38
39 // https://mvnrepository.com/artifact/commons-io/commons-io
40 compile group: 'commons-io', name: 'commons-io', version: '2.6'
41
42 // https://mvnrepository.com/artifact/org.apache.commons/commons-io
43 compile group: 'org.apache.commons', name: 'commons-io', version: '1.3.2'
44
45 // https://mvnrepository.com/artifact/io.cucumber/cucumber-junit

```

12) After that click on Project name (here the project name is Selenium) -> Click on Gradle -> Refresh Gradle Project



13) It will automatically download the required files, once download is completed you can see the jar files under the Project and External Dependencies



Project Setup Completes Here.