Selenium IDE Installation

Installation Guide

edureka!

edureka!

© 2014 Brain4ce Education Solutions Pvt. Ltd.

Version 1.0

Selenium IDE Installation

Installation Guide

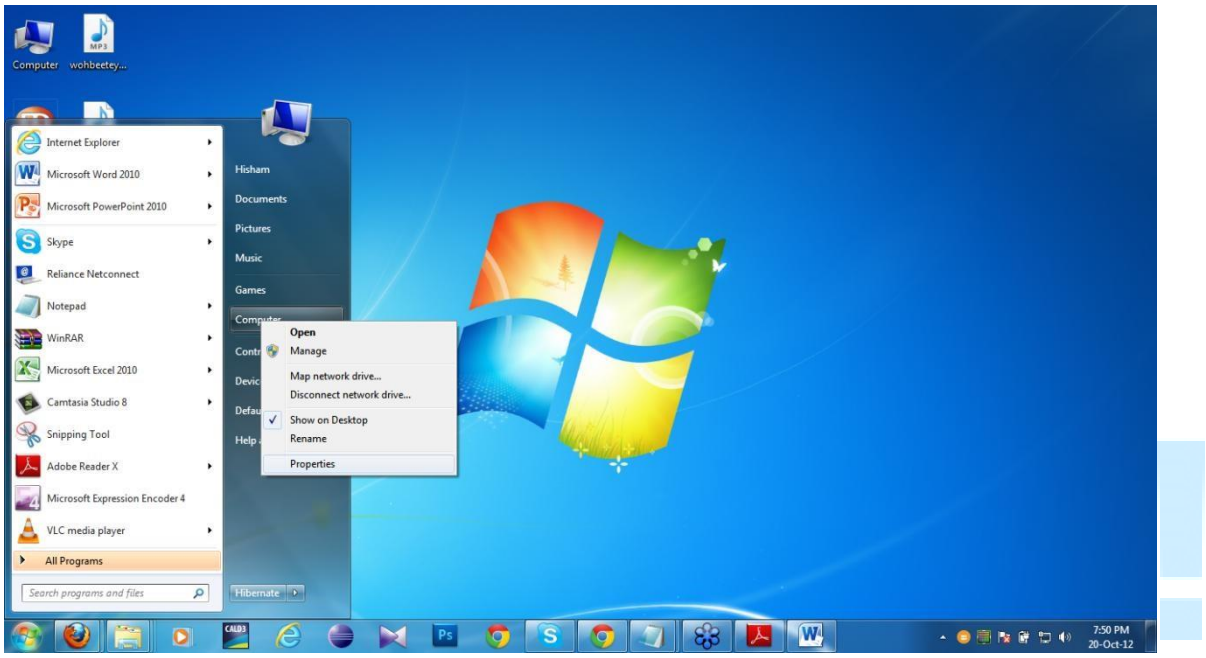
Table of Contents

Know your System Requirements: 2
Prerequisites: 4
Installing JDK: 5
Download Eclipse: 10
Troubleshooting: 11
Set Up Eclipse 14
Working with jars 16
Creating Project 17

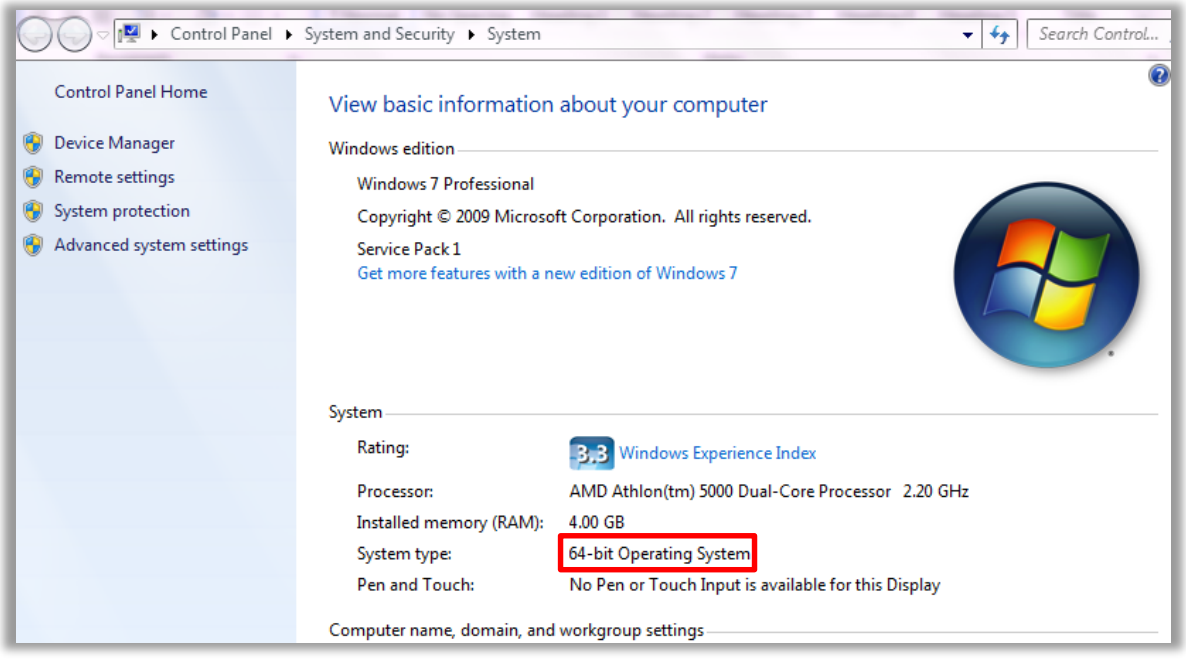
edureka!

Know your System Requirements:

If you are using Windows 7:
Click on "start" or press "windows key" → right click on "Computer" → select "Properties".



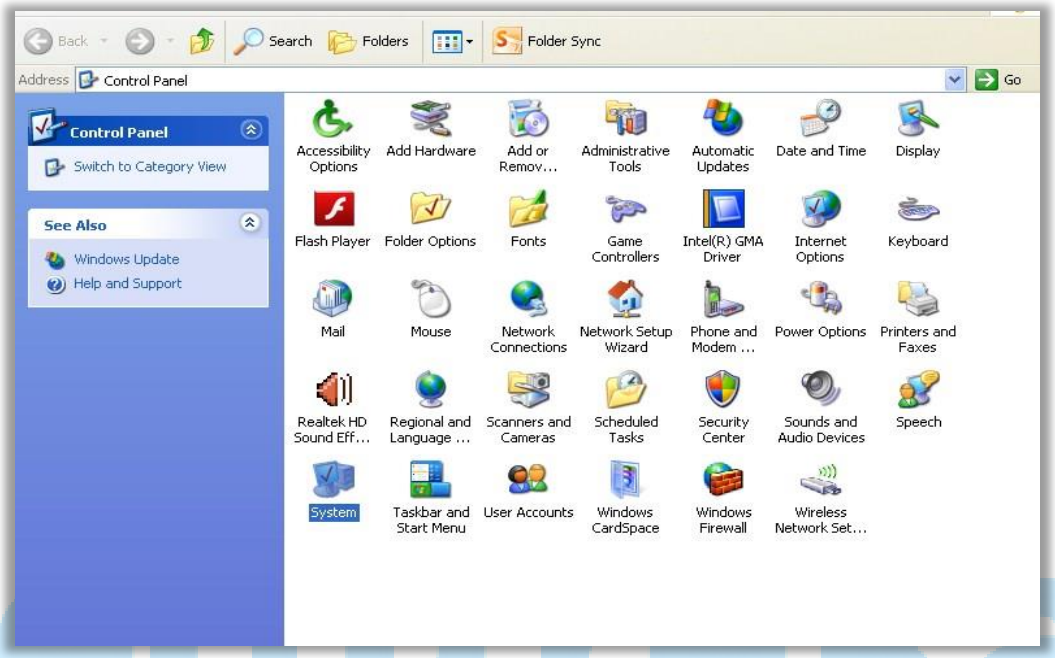
Here you will find the System settings as below:



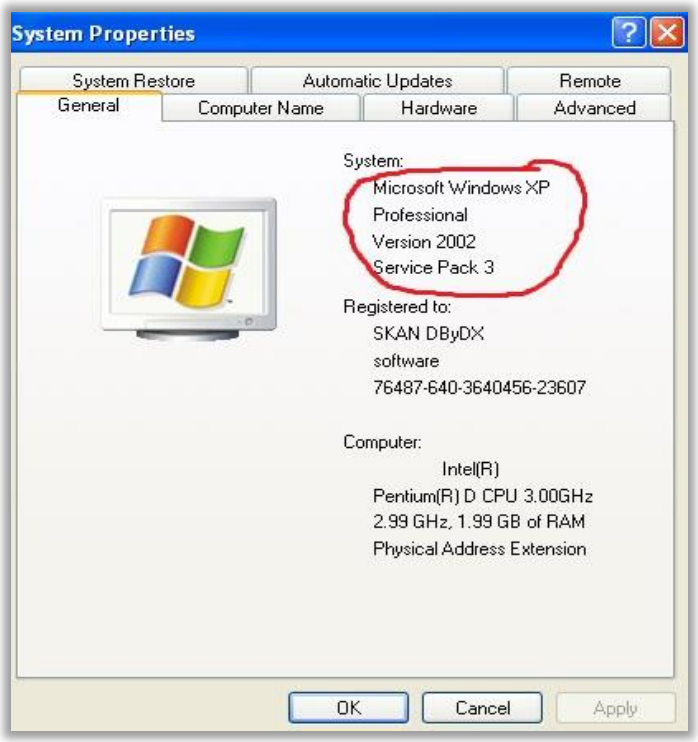
From the above window you can find out whether your machine is 64 bit or 32 bit machine.

On a Windows XP OS follow the following steps:

From the start menu → Go to Control Panel → Go to System.



Here you will find the System settings as below:



As you can see the above Machine is a 32 bit machine as it is showing Microsoft Windows XP Professional.
For a 64 bit machine it will show Microsoft Windows XP Professional X64 Edition.

All the software's viz. Eclipse, JDK will be downloaded for the type of machine found (viz 32 bit or 64 bit).

Prerequisites:

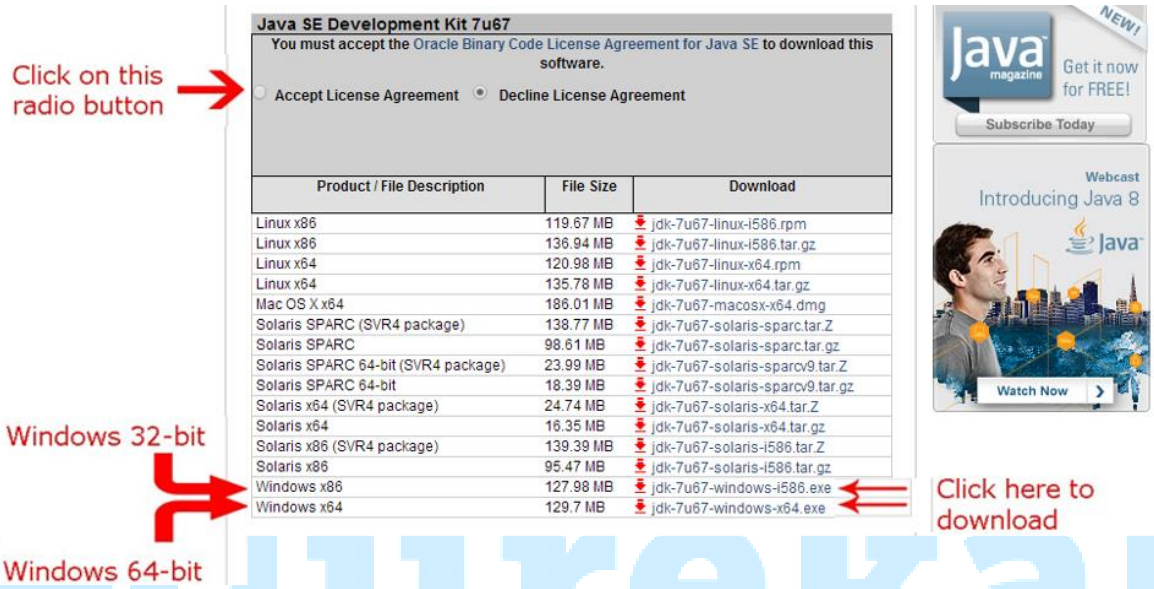
→ Java Development Kit(JDK and JRE).
→ Eclipse IDE(Helios or Above).

edureka!

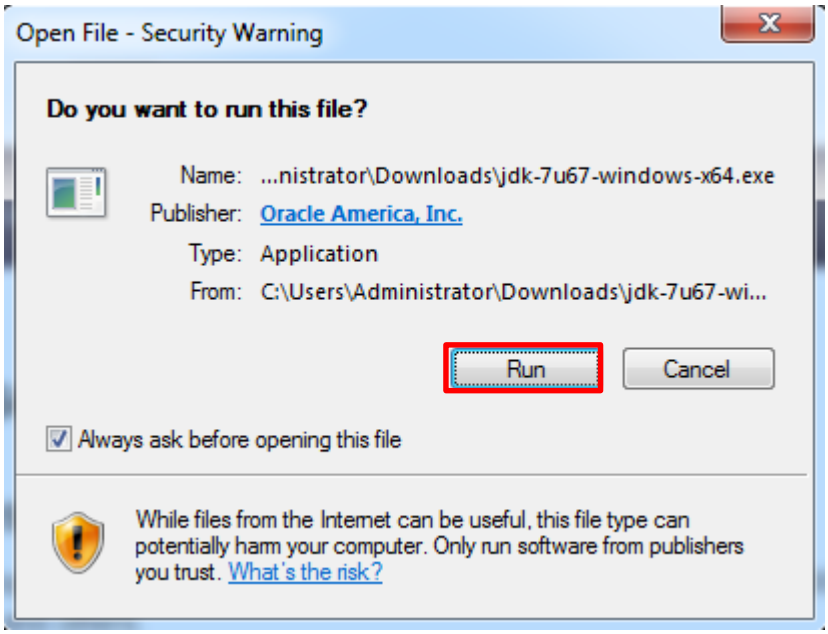
Installing JDK:

→ Go to the URL: http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html
→ Then click on Download under the JDK section.

Choose the appropriate option that is as per the machine you are installing the JDK viz. 32 bit machine or 64 bit machine.

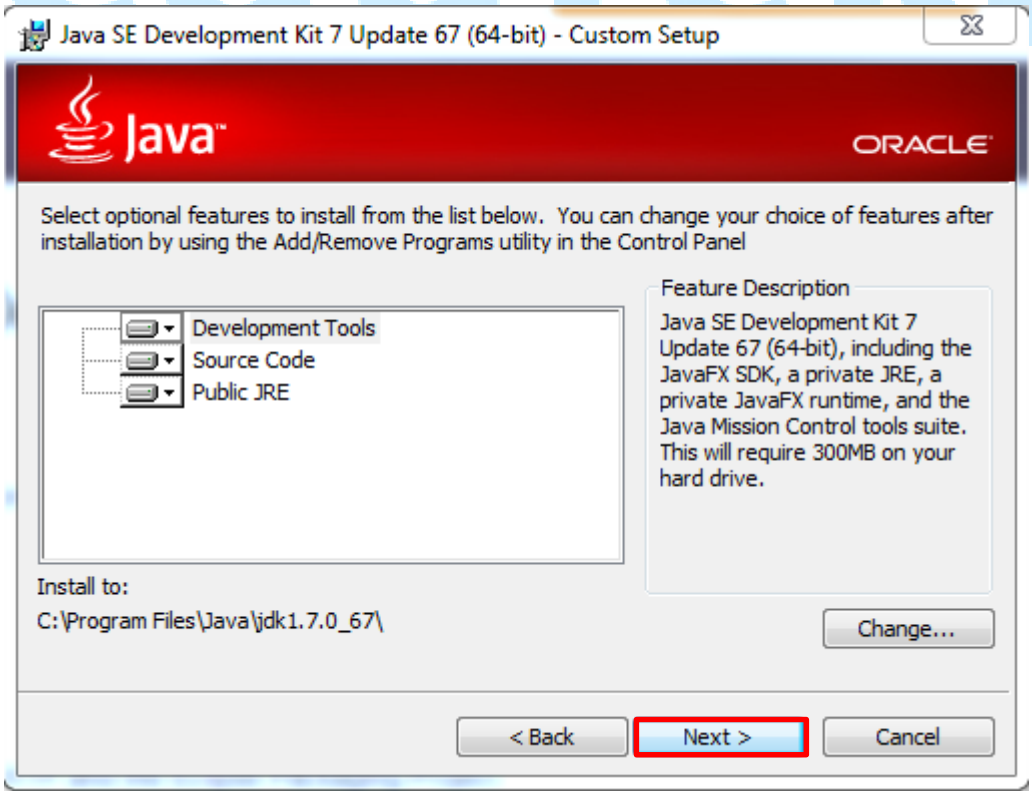


Once the download is over. Start the .exe file by double click on it. Click Run

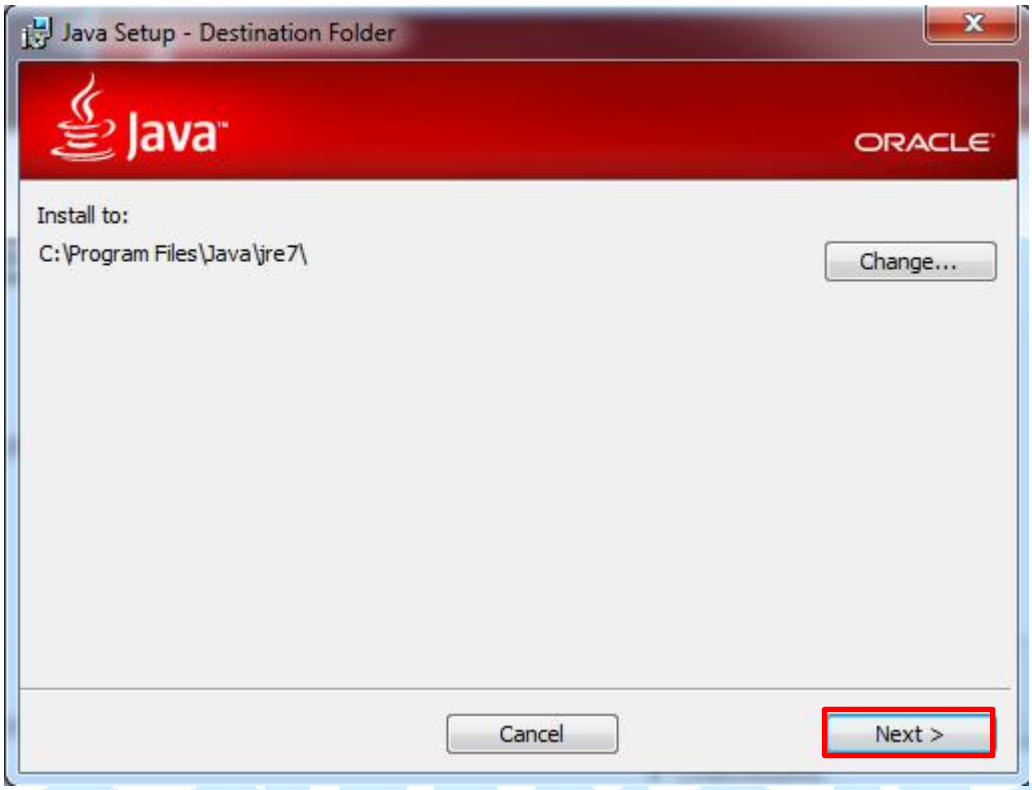


→ Click Next

→ Now click on Next.

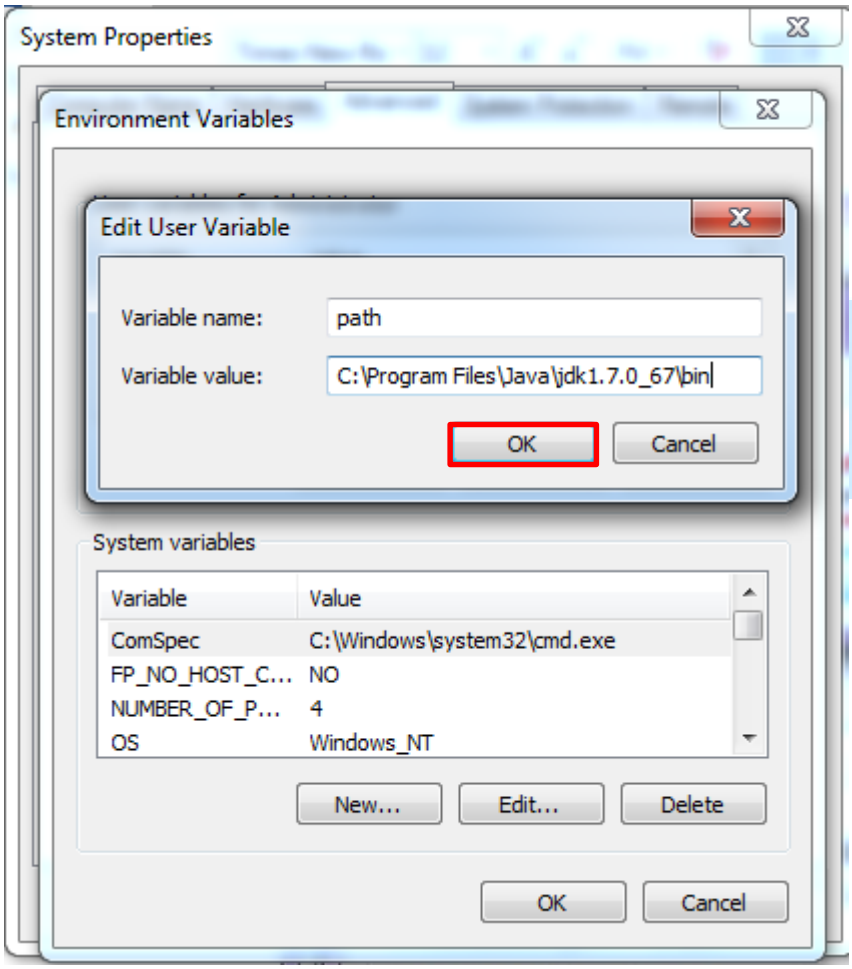


→ Click Next

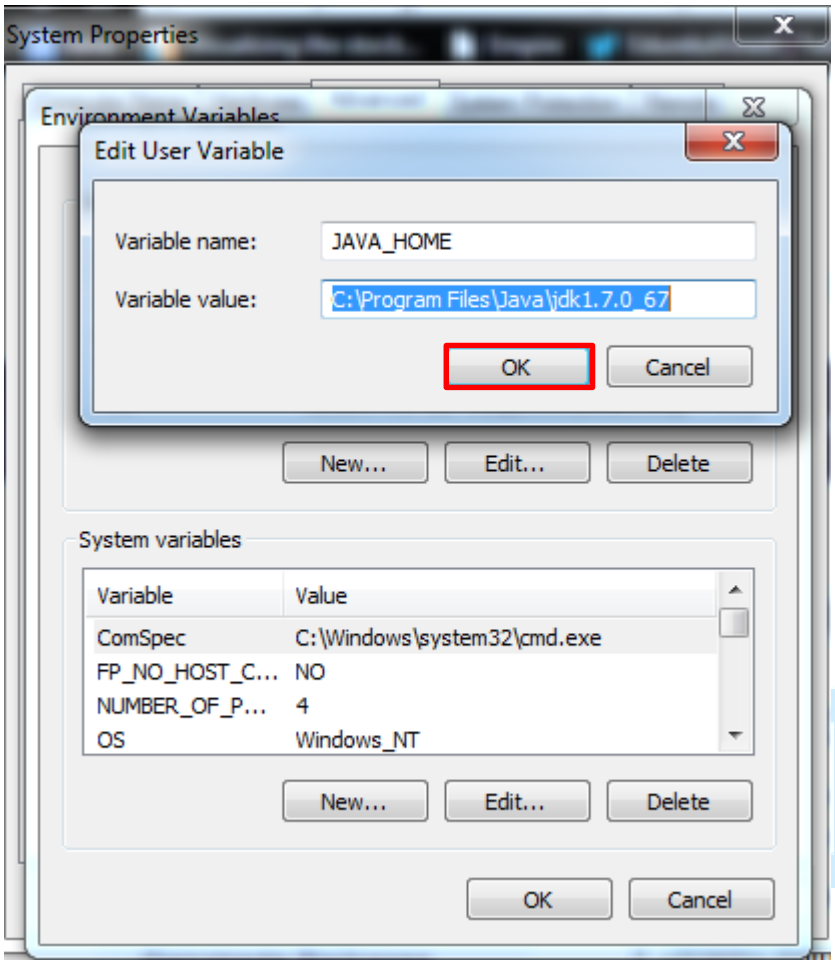


→ Click Close

- Once done with JAVA installation, we need to set the Environment variables in order to use JDK with Eclipse.
- Go to MyComputer from the startup menu → Right click on Computer→Go to Properties → Go to Advanced System Settings → From the Popup → Go to Environment Variables.
- Click on Add.
- Name the Environment Variable as path.
- Place the value of the JDK installation folder on your machine till the folder's bin directory. For ex: C:\Program Files\Java\jdk1.7.0_67\bin
- Create another environment variable name it as JAVA_HOME and set the values as C:\Program Files\Java\jdk1.7.0_67 i.e. excluding the bin directory.



Setting path variable

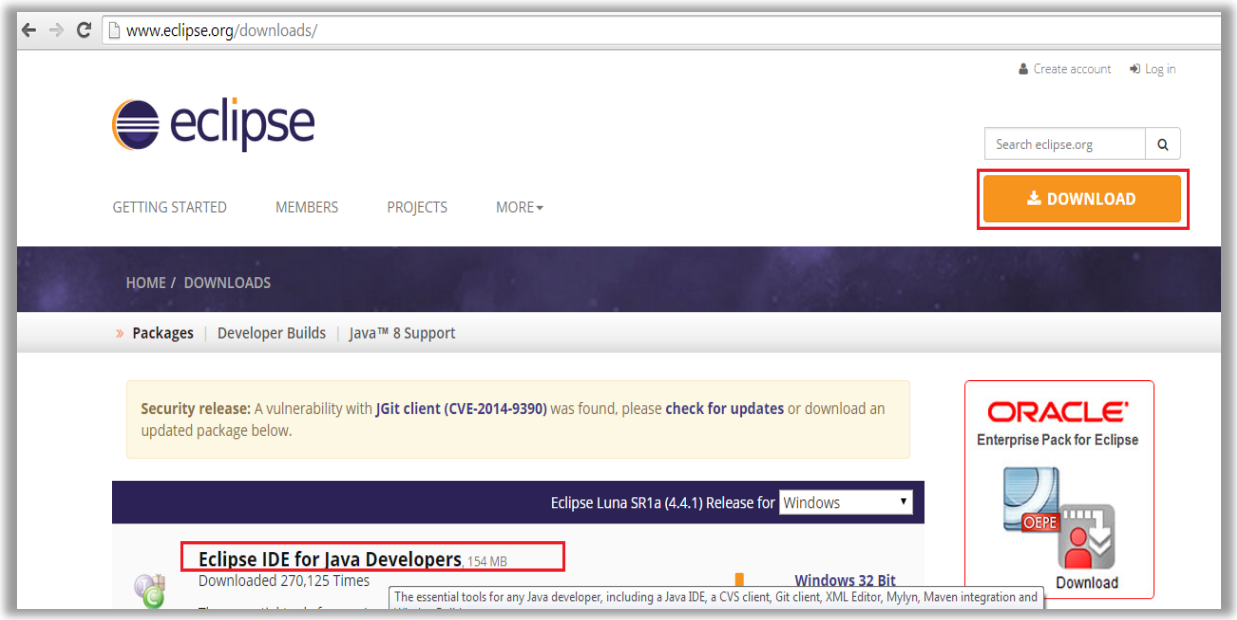


Setting JAVA_HOME variable

Once we have created the Environment variables, we are done with the process of JDK installation.

Download Eclipse:

Go to eclipse download page at http://www.eclipse.org/downloads/



Click on Eclipse IDE for Java Developers link, marked in red box.

Select your system architecture 32 bit or 64 bit.

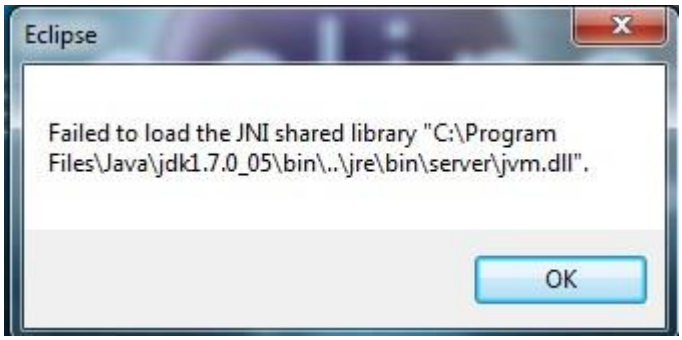
Click on either 32 bit or 64 bit link.

That will bring you to download page as shown below.

Note: Make sure you are downloading the right eclipse according to your system architecture and have correct JDK installed.

Troubleshooting:

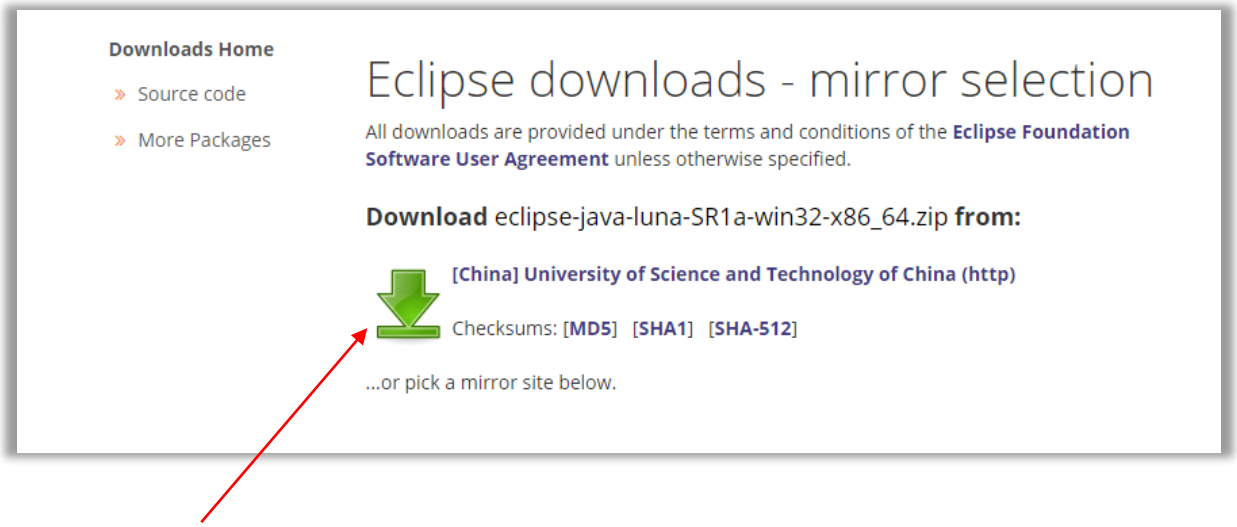
If after the installation of JDK, you find an error like below:



You have made the wrong software installation i.e. the Eclipse IDE and the JDK are incompatible. An Example can be that the JDK was downloaded for 64 bit machine and Eclipse for a 32 bit machine or Vice versa or both could not be downloaded for the targeted machine.

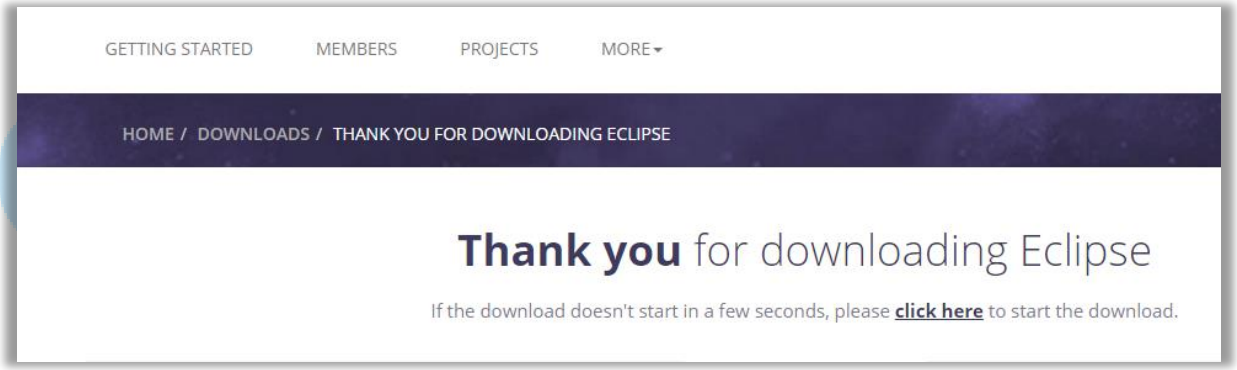
In order to resolve this do an Uninstall of JDK from Add/Remove Programs and download a new Eclipse and JDK for the Target Machine (64 bit or 32 bit) and follow the steps as mentioned from the beginning of the document.

edureka!



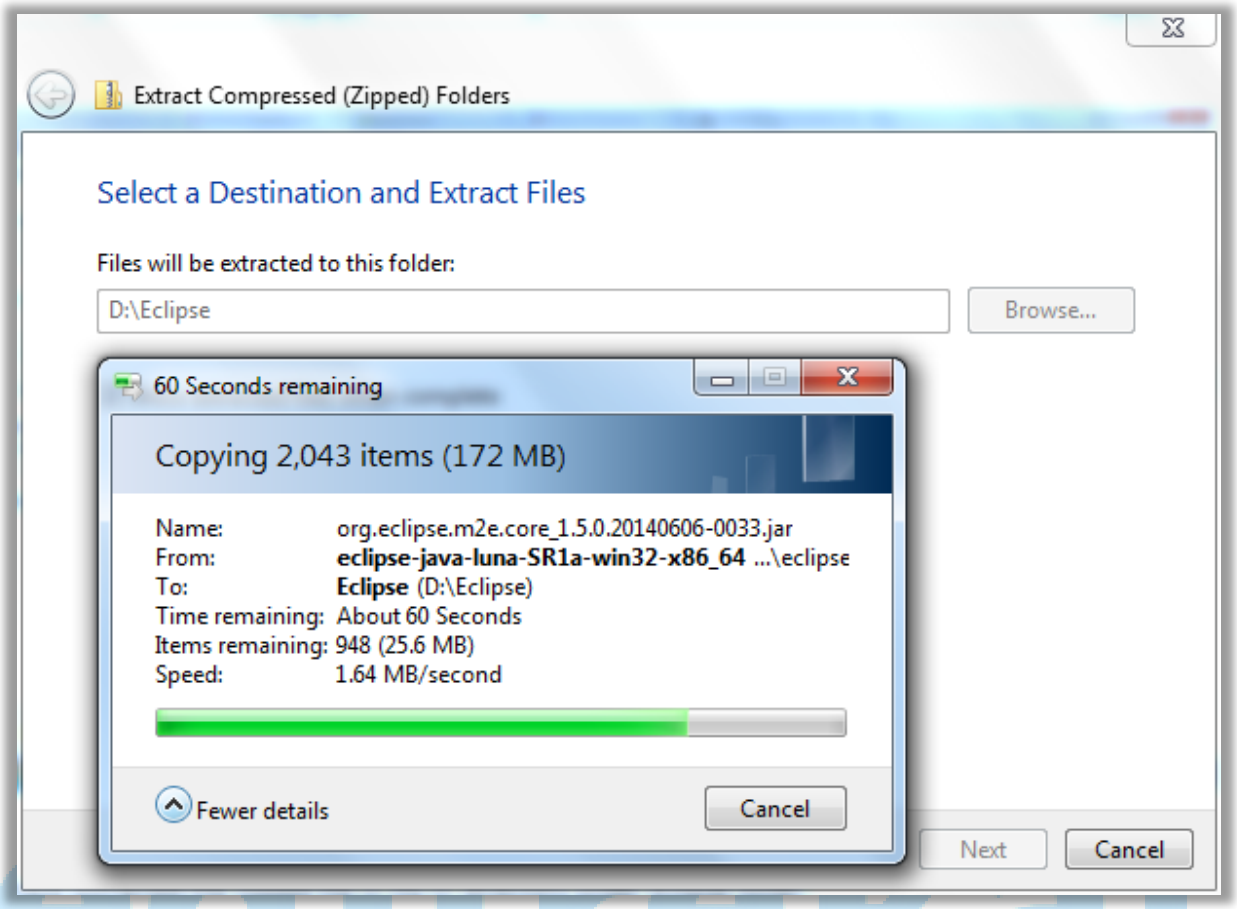
Click on the green download button to start the download.

The download will start automatically and you will see a Thank you message on successful download.

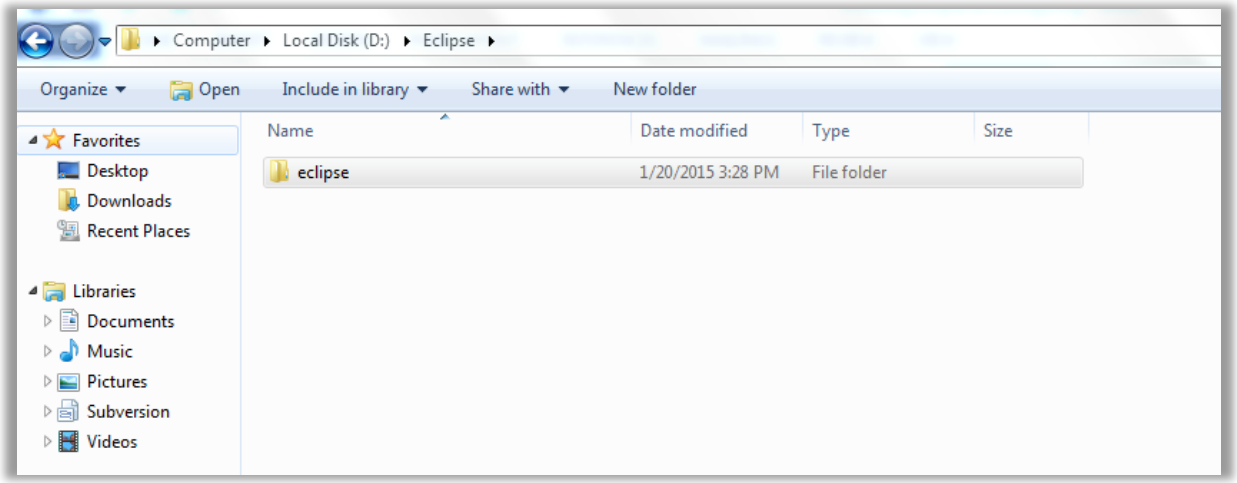


Once you have downloaded the zipped fie you have to extract it.

It can be extracted on any directory on your system. Right click on downloaded zipped file and click on extract.

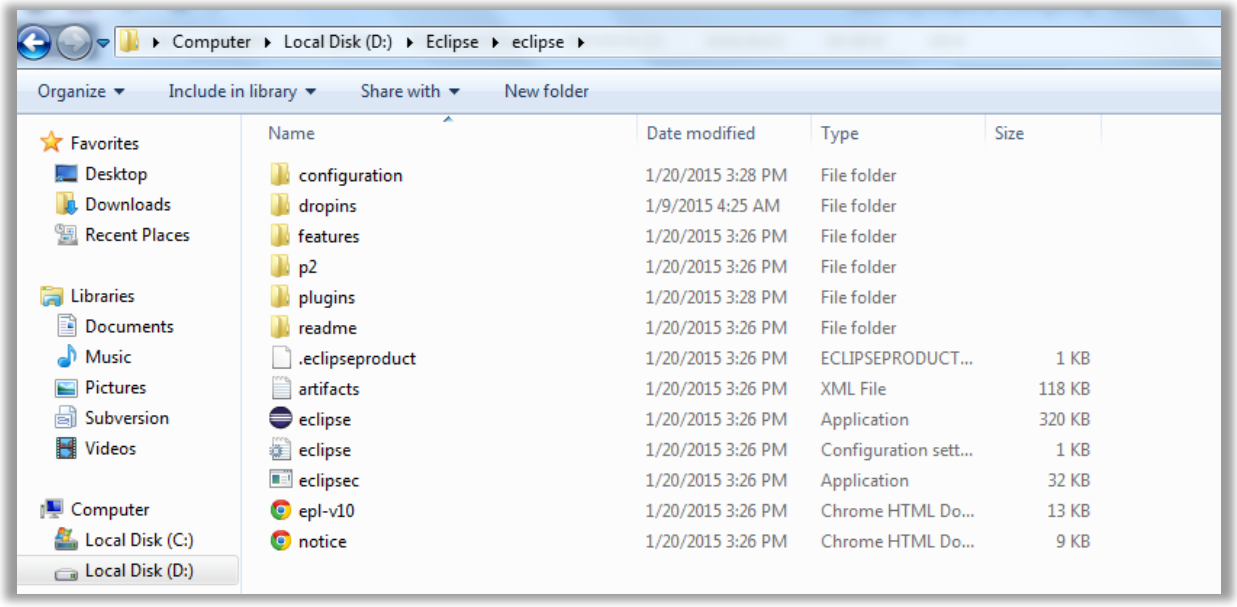


Here, it has been extracted the zipped file to D: directory under Eclipse folder. You will see an eclipse folder after extracting the zipped file. It will look as below



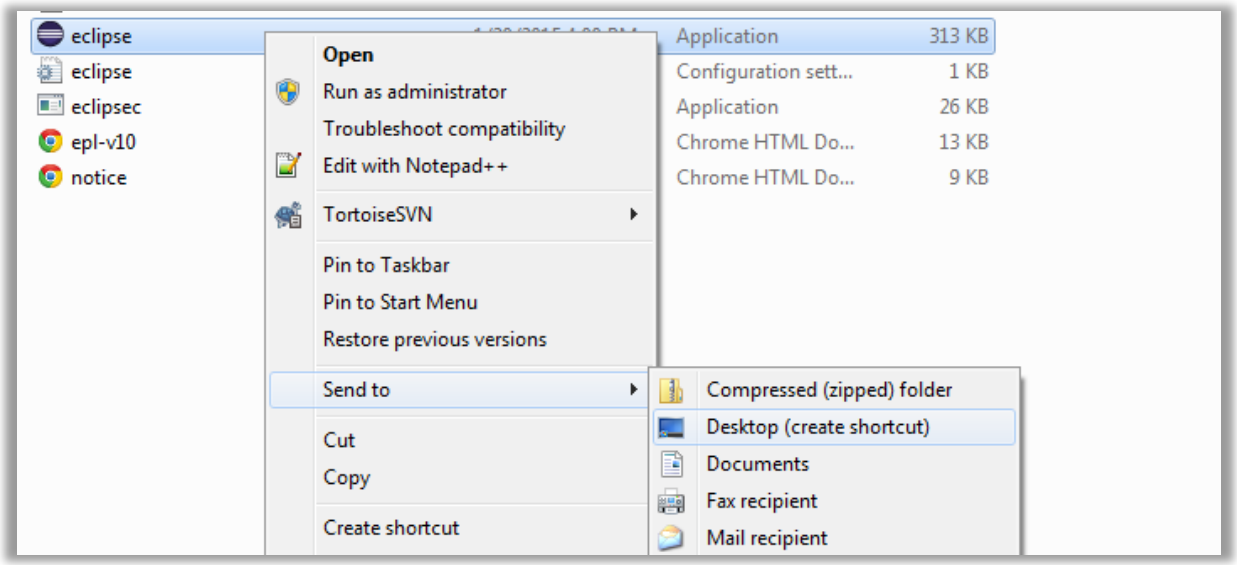
Set Up Eclipse

Inside eclipse folder, below files can be found



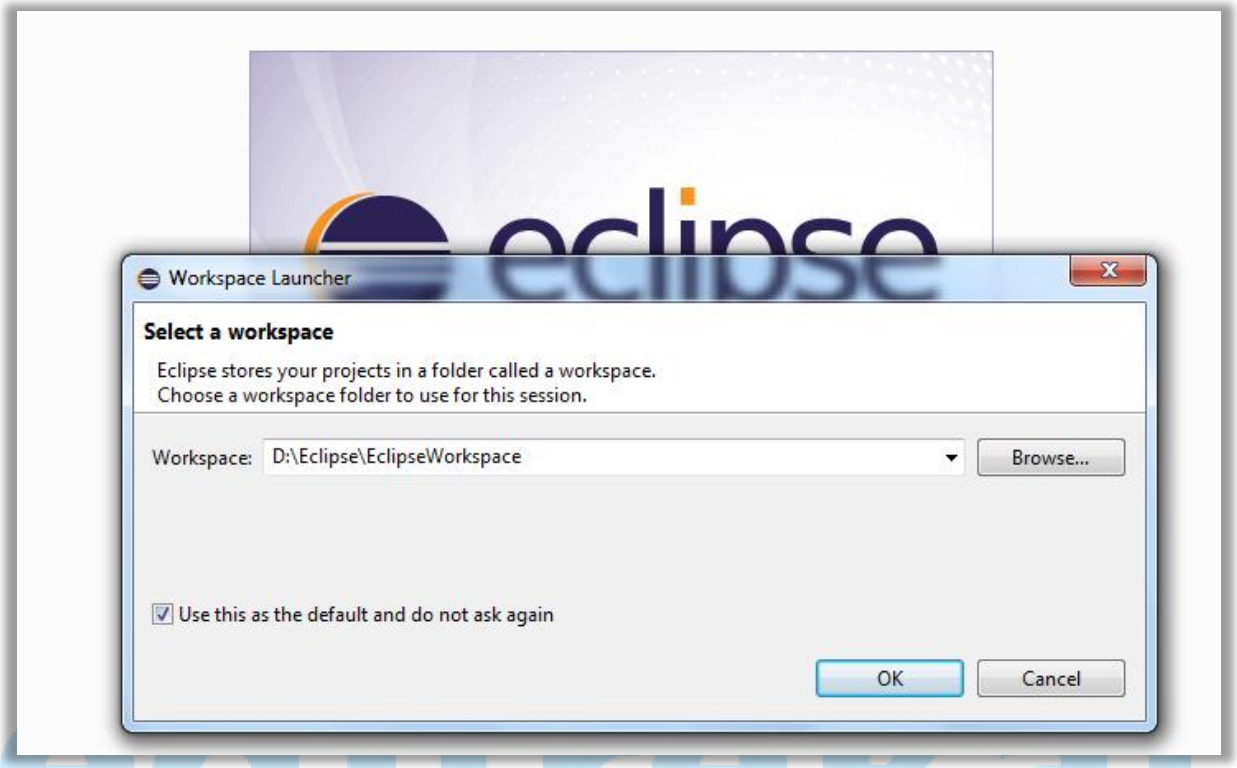
To start the eclipse double-click on eclipse exe with eclipse symbol.

One extra thing you can do for your convenience is, create a shortcut of eclipse.exe. So that next time when you have to start eclipse you can do that just by double clicking the shortcut.



Now we are all set to create project in Eclipse.

Start the eclipse, to start the eclipse double click on eclipse.exe or double click on eclipse shortcut on your desktop.

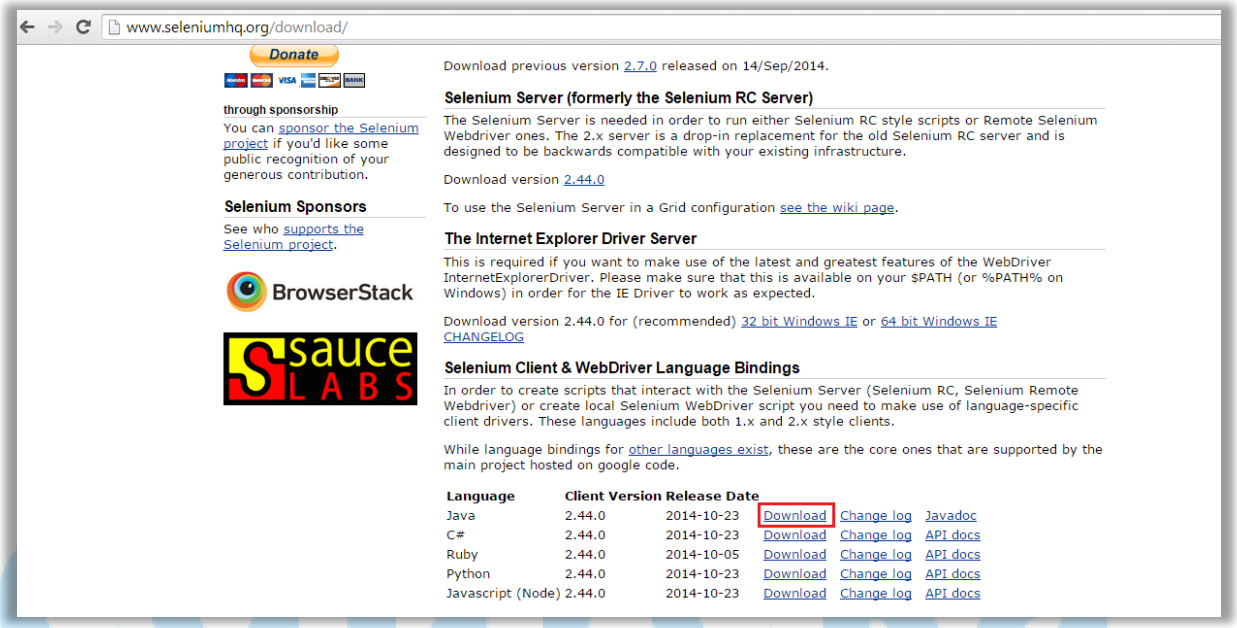


Once you start the eclipse for first time it will ask you to select workspace, a workspace is a directory where your eclipse projects will be saved. You can specify any directory (folder) and click OK. You will see Eclipse first welcome screen as shown below.

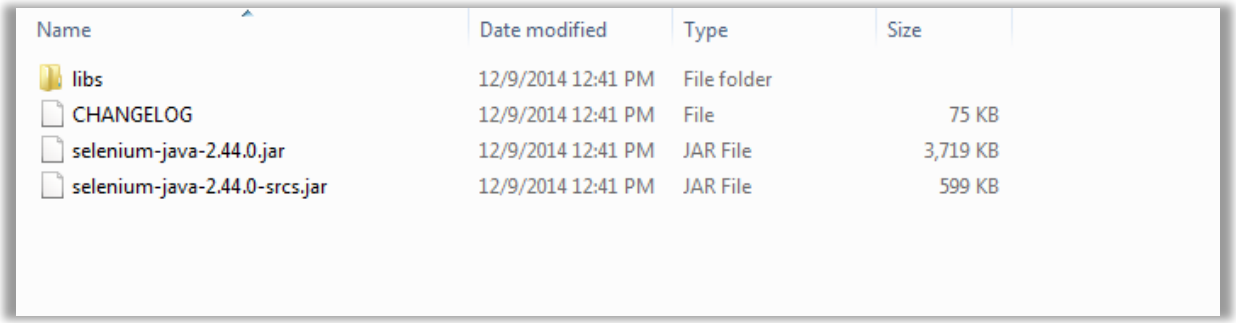
We are done with Eclipse but still we need selenium jars to create a Selenium project in Eclipse.

Working with jars

Now to start working with Selenium we need Selenium jars which you can download form Selenium`s official website http://www.seleniumhq.org/download/



Once you have downloaded the zipped file of Selenium Jars extract it and you will get below file structure.

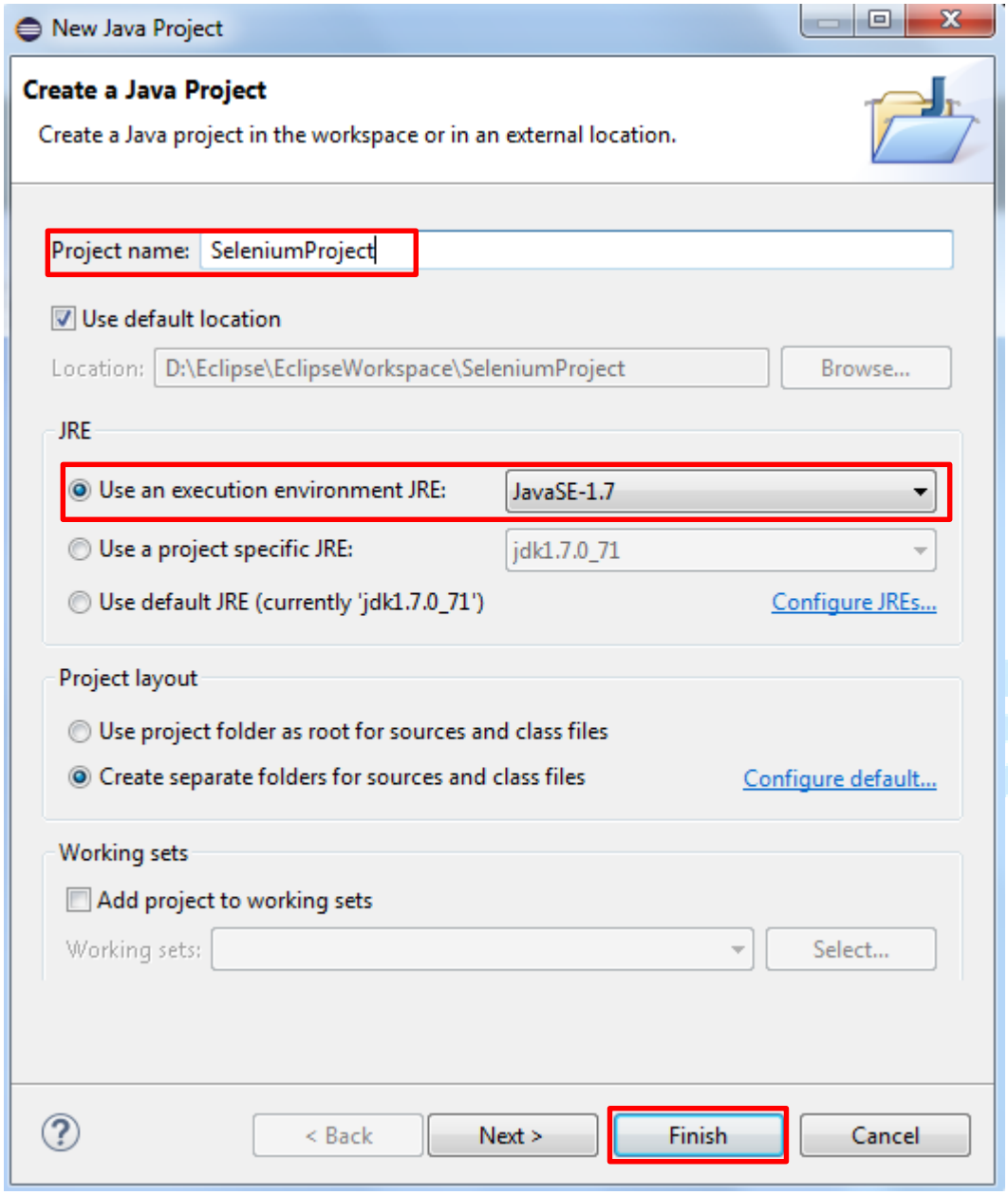


Jars Inside libs folder and 2 jars that are specific for Java language are required to work with Selenium.

Now we are ready to start with Selenium.

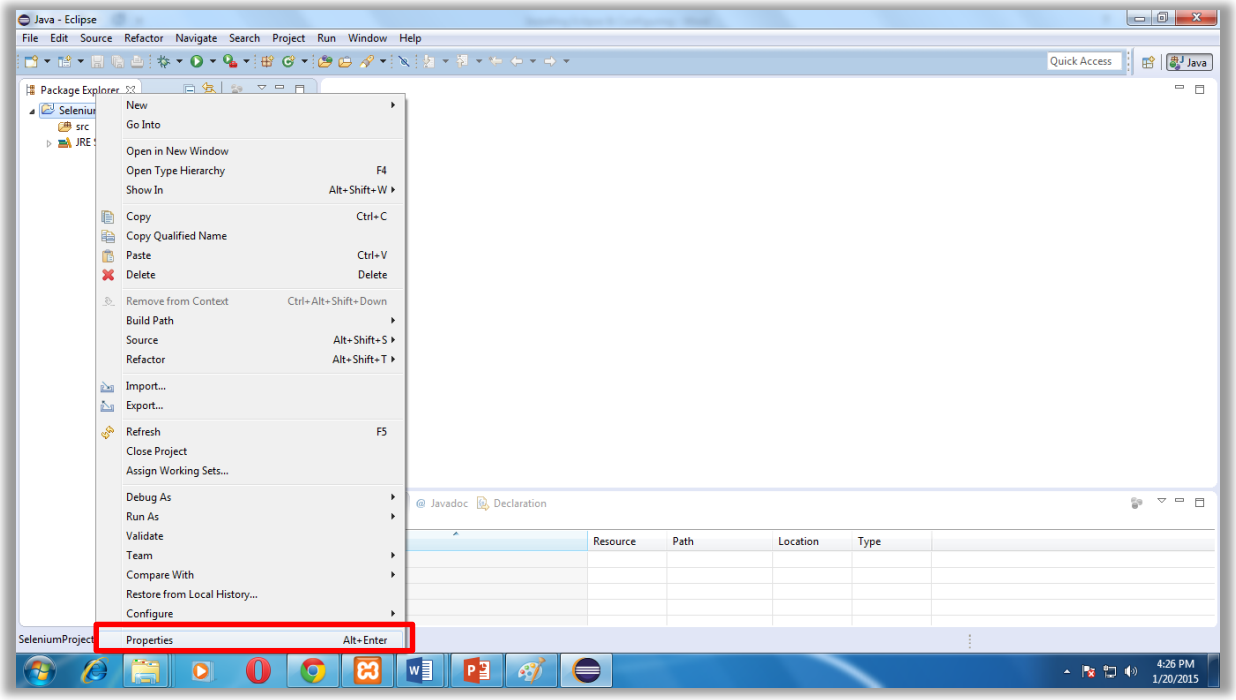
Creating Project

Create a new project in Eclipse. To do that click on File menu and then click on Java Project.

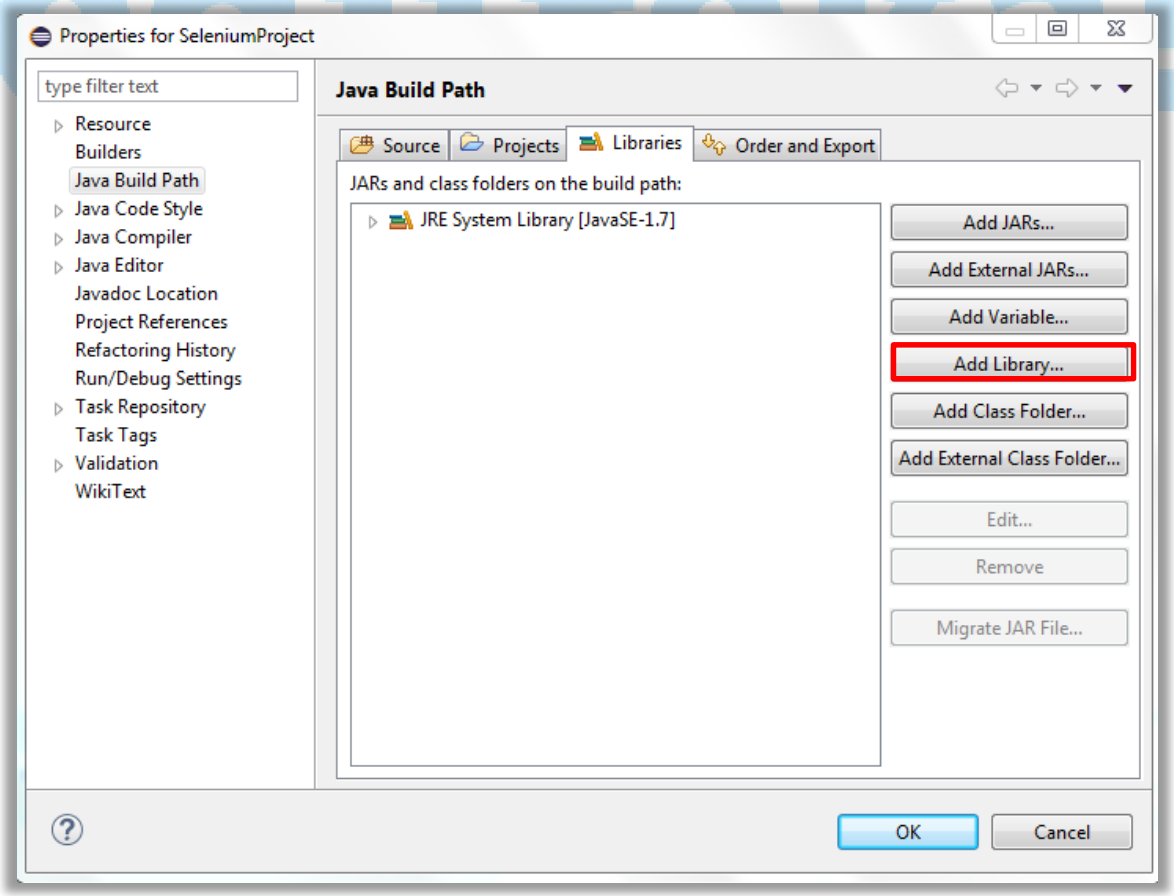


Give the project name I have named it "SeleniumProject" you can name it whatever you like and then click on finish.

Now we have to add selenium required jars to the project. To do that right click on Project name, then click on properties.

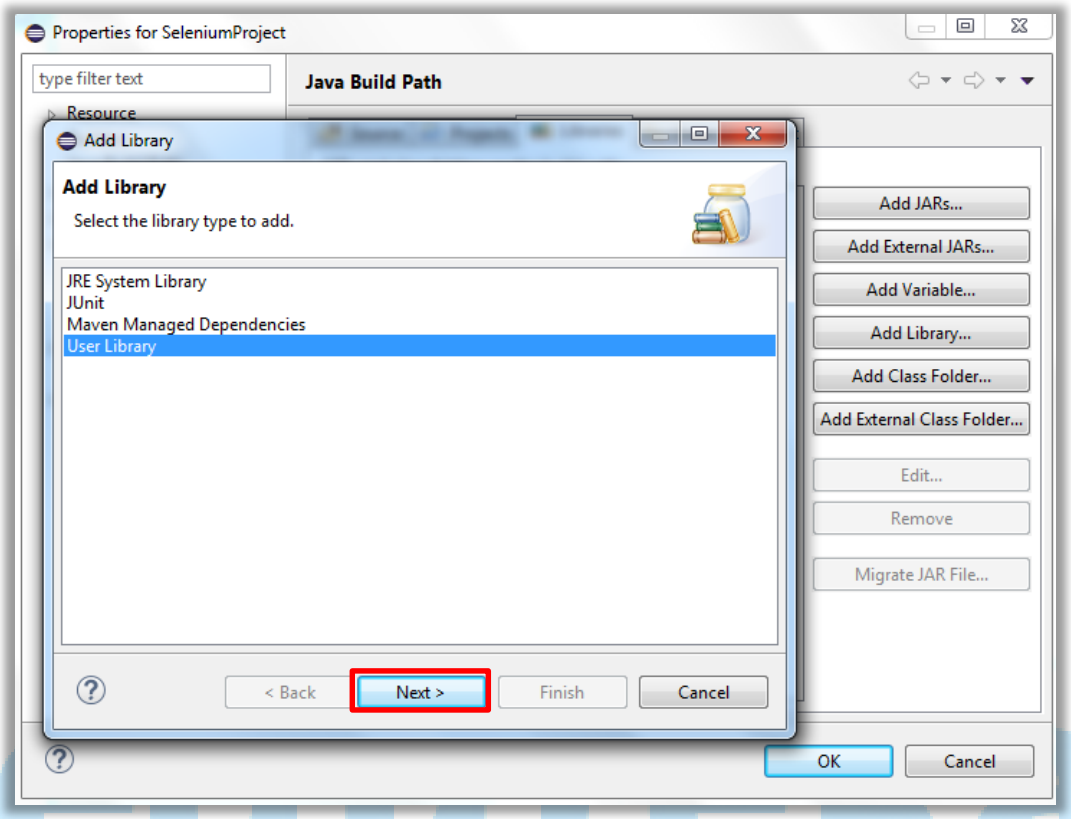


Choose Java Build Path option from left pane. It will look as below.

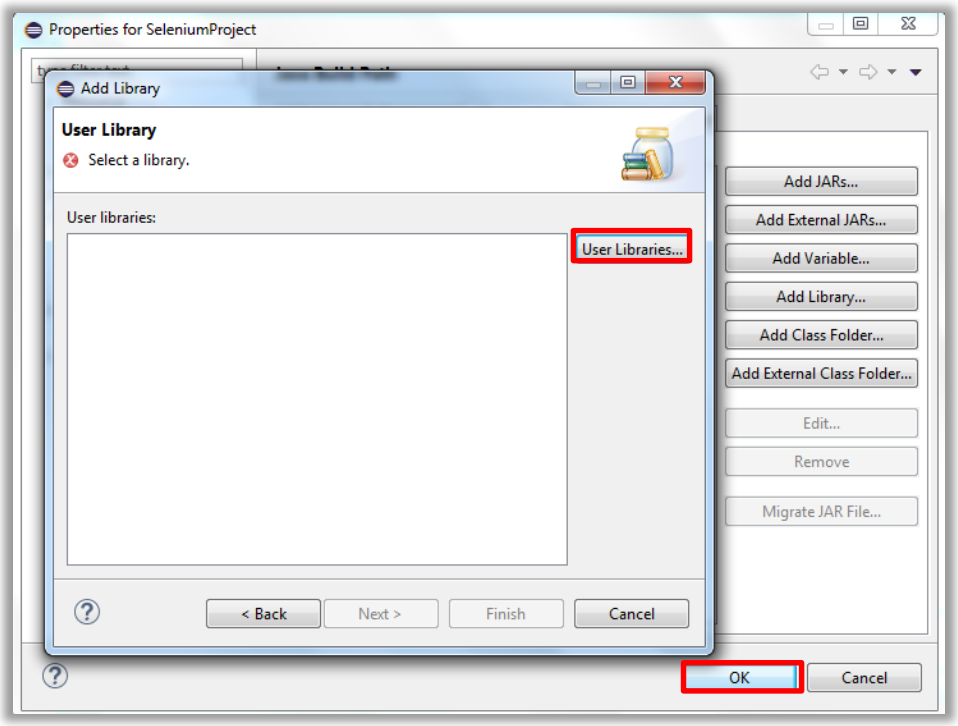


Now Click on Add Library button, which will pop up Add Library window.

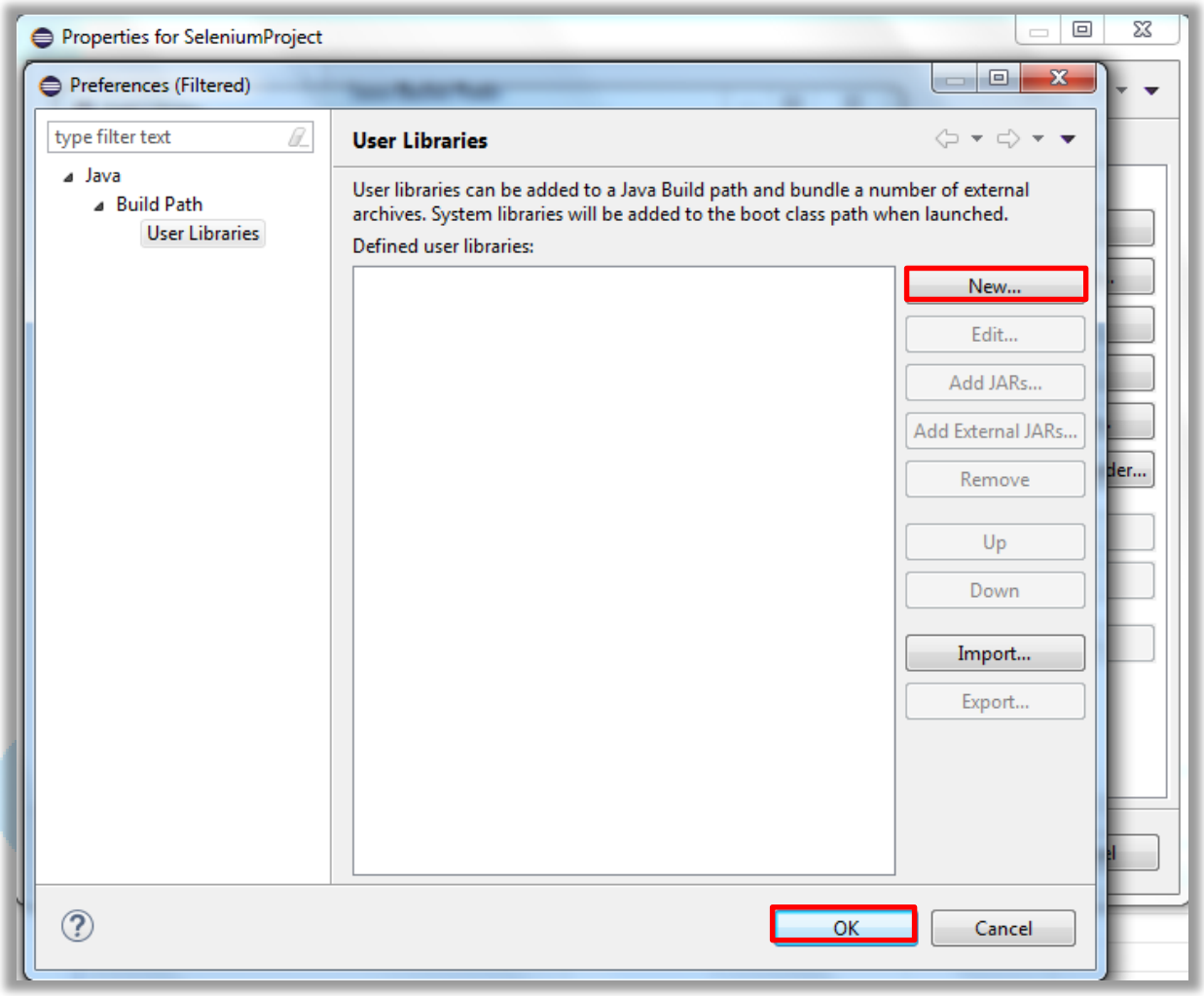
Select User Library, then click Next



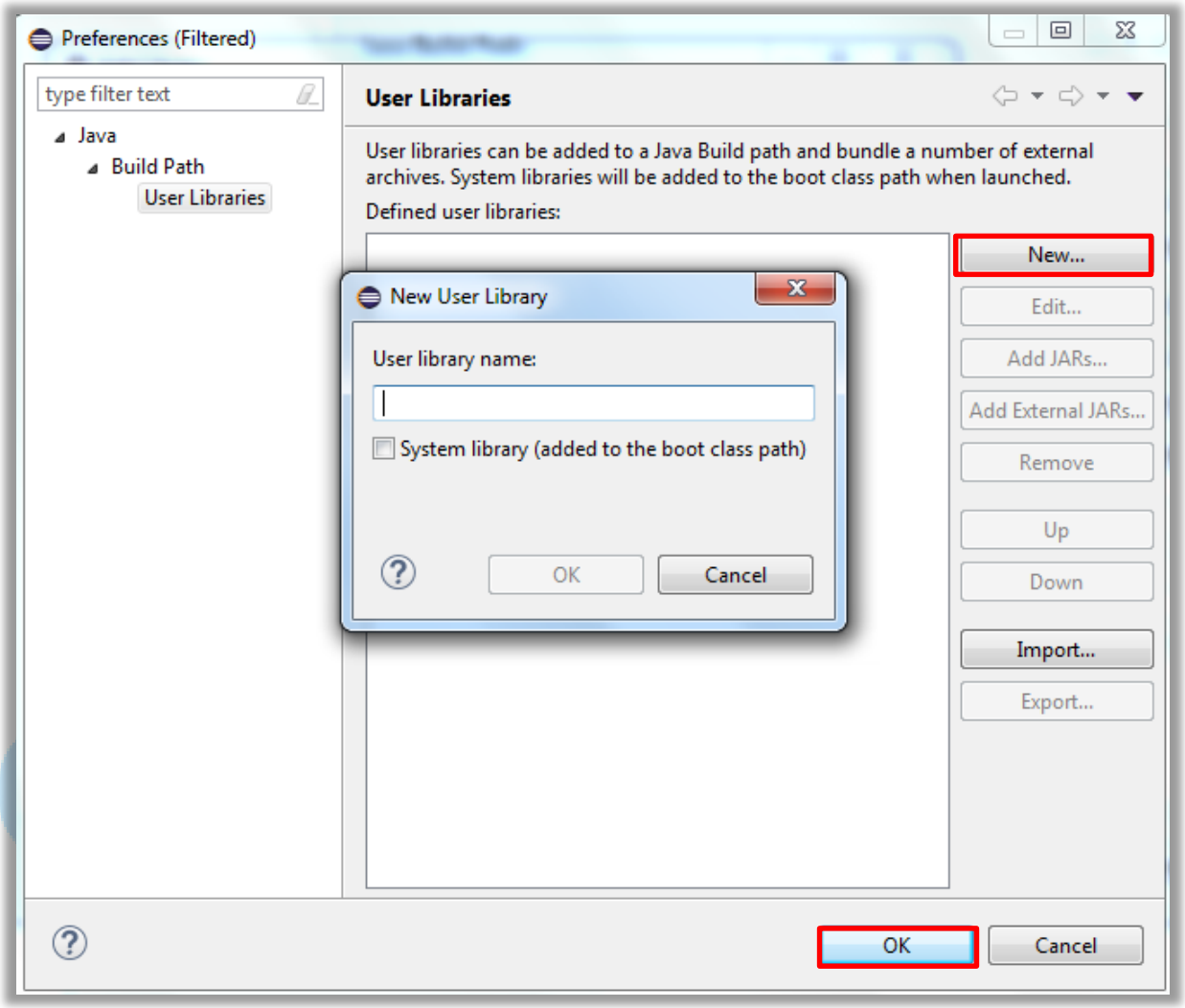
Now click on User Libraries to create a new user library.

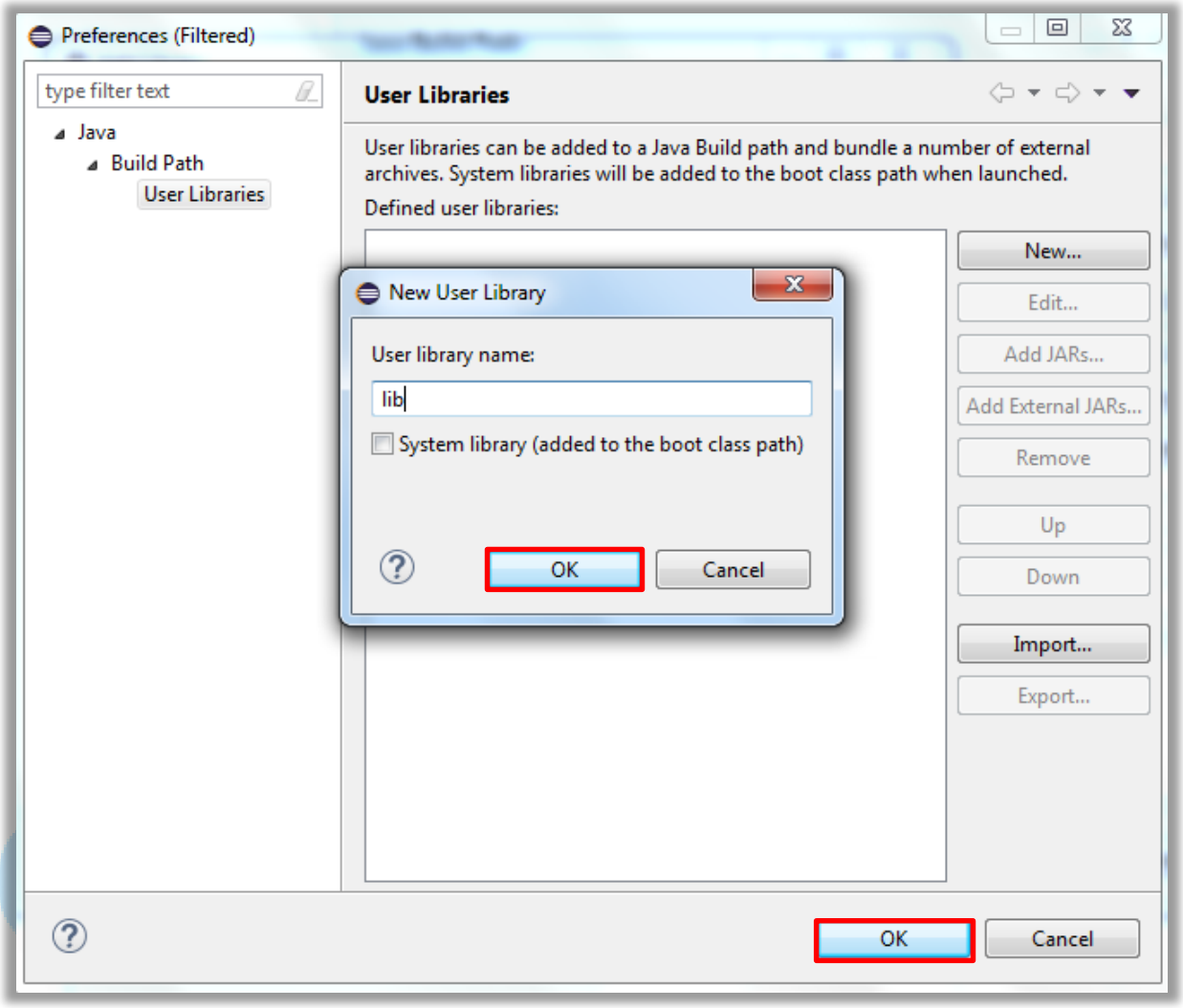


Click on New button

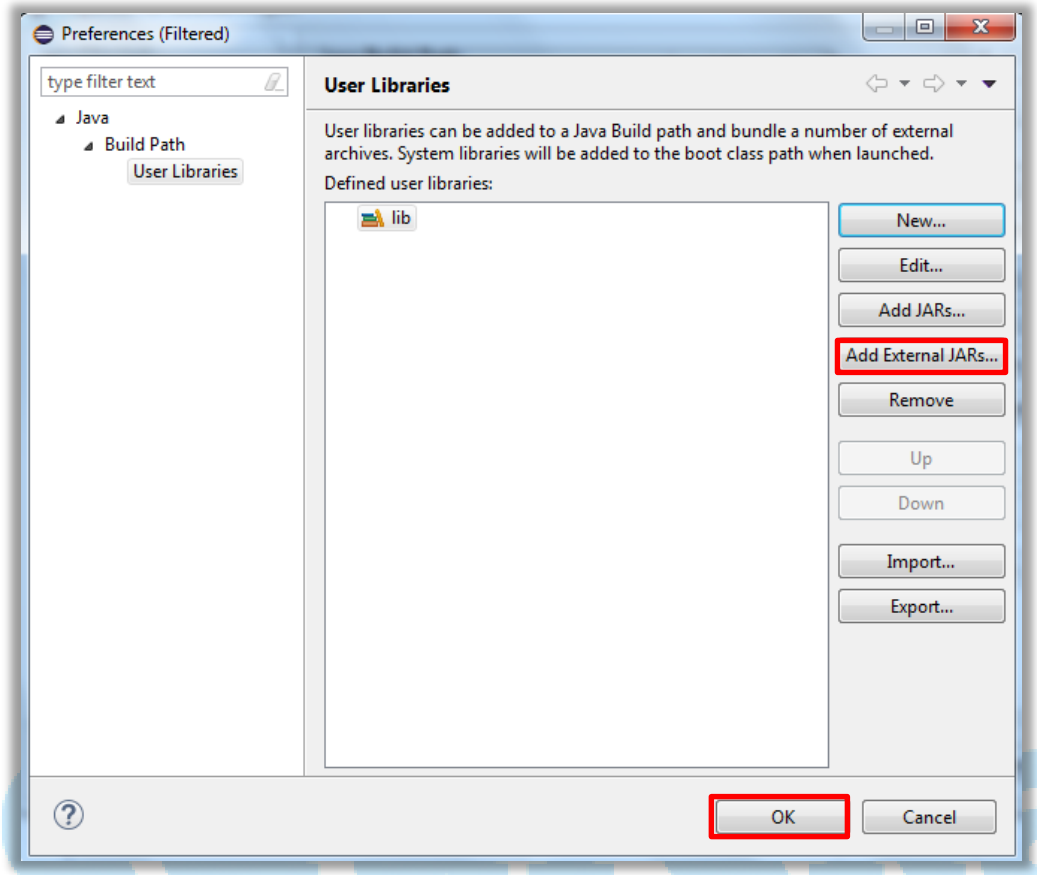


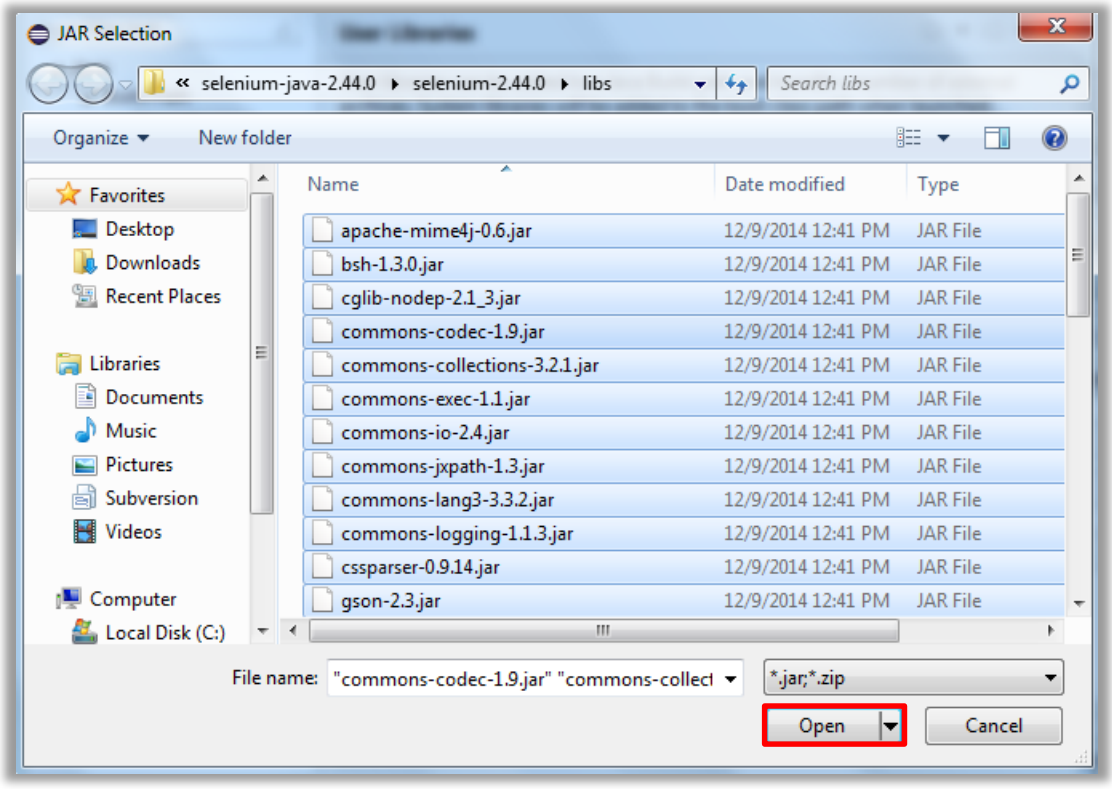
Provide the name of user library, I have named it lib you can name it whatever you like and click OK.

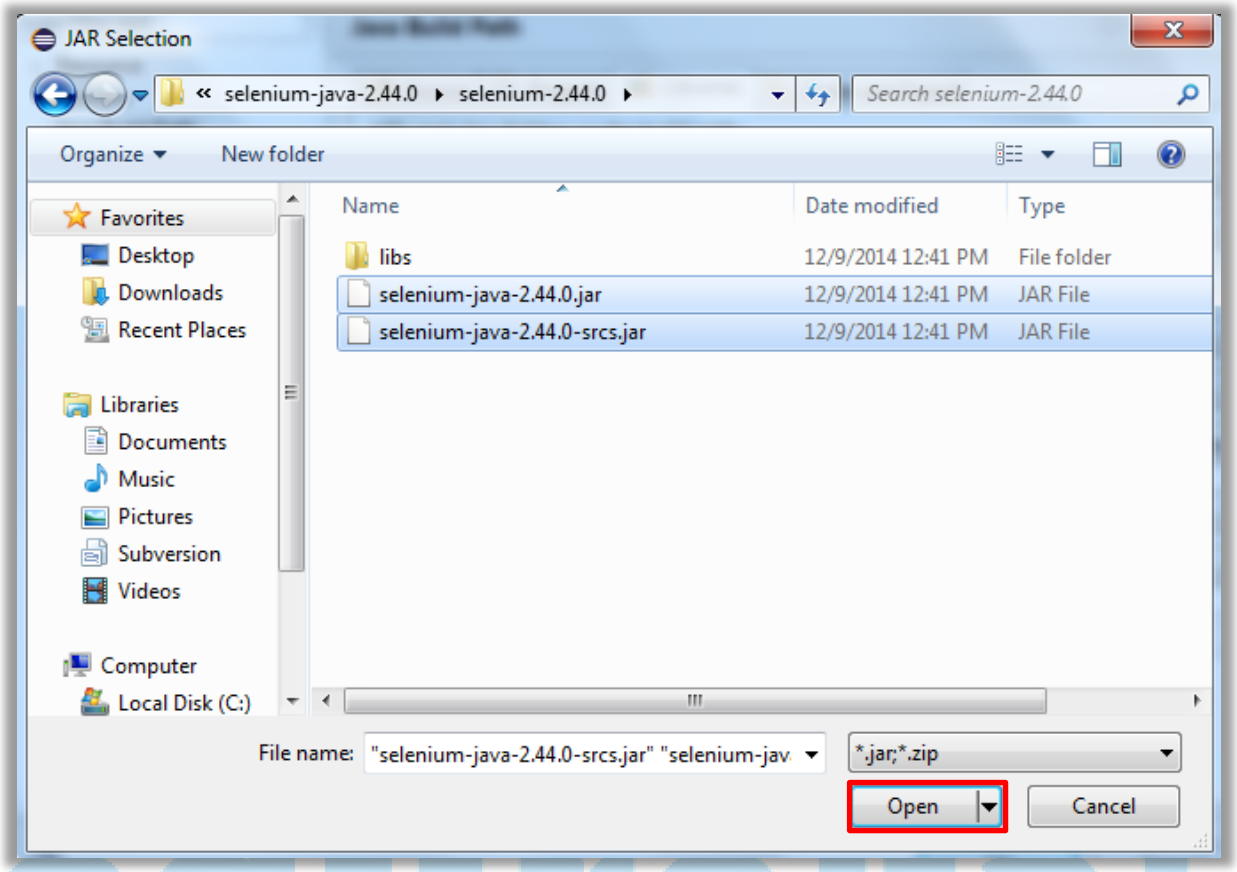


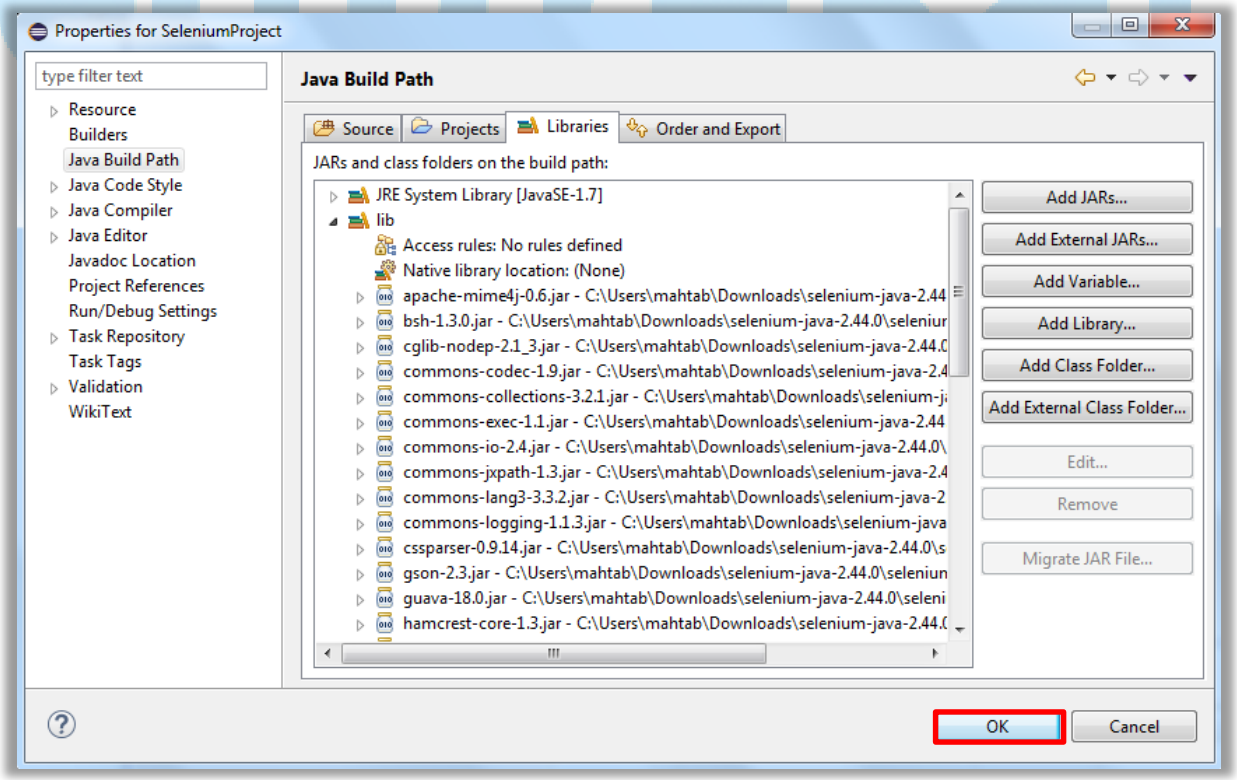

Preferences (Filtered)
type filter text
Java
Build Path
User Libraries
User Libraries
User libraries can be added to a Java Build path and bundle a number of external archives. System libraries will be added to the boot class path when launched.
Defined user libraries:
New...
Edit...
Add JARs...
Add External JARs...
Remove
Up
Down
Import...
Export...
New User Library
User library name:
lib
System library (added to the boot class path)
OK
Cancel
OK
Cancel

Now to add external jars to this library click on Add External JARs button and add all the selenium jars that we downloaded earlier.

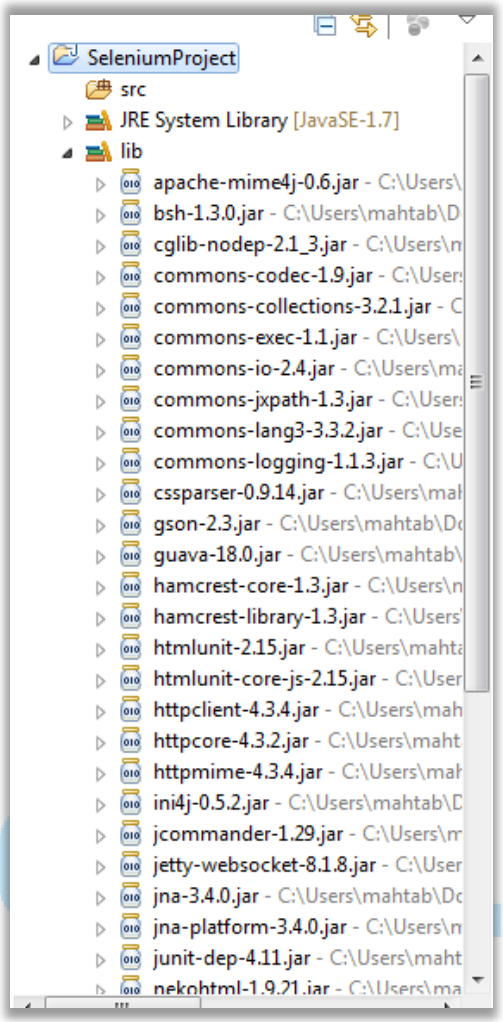
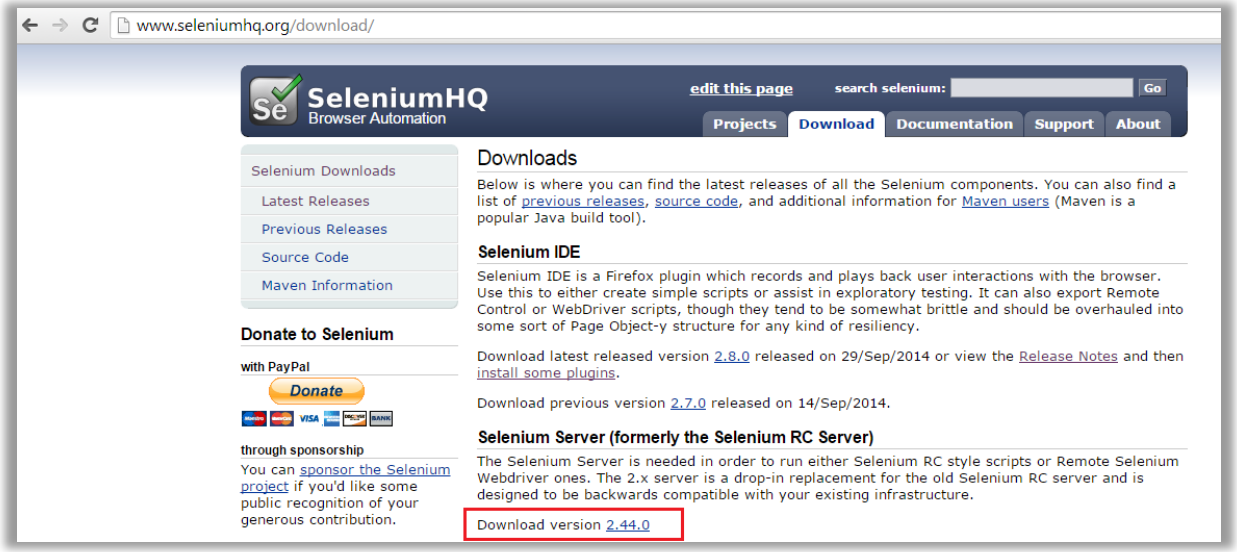





JAR Selection
selenium-java-2.44.0 ▸ selenium-2.44.0 ▸
Search selenium-2.44.0
Organize
New folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Subversion
Videos
Computer
Local Disk (C:)
Name
Date modified
Type
libs
12/9/2014 12:41 PM
File folder
selenium-java-2.44.0.jar
12/9/2014 12:41 PM
JAR File
selenium-java-2.44.0-srcs.jar
12/9/2014 12:41 PM
JAR File
File name:
"selenium-java-2.44.0-srcs.jar" "selenium-jav
.jar;.zip
Open
Cancel


Properties for SeleniumProject
type filter text
Resource
Builders
Java Build Path
Java Code Style
Java Compiler
Java Editor
Javadoc Location
Project References
Run/Debug Settings
Task Repository
Task Tags
Validation
WikiText
Java Build Path
Source
Projects
Libraries
Order and Export
JARs and class folders on the build path:
JRE System Library [JavaSE-1.7]
lib
Access rules: No rules defined
Native library location: (None)
apache-mime4j-0.6.jar - C:\Users\mahtab\Downloads\selenium-java-2.44
bsh-1.3.0.jar - C:\Users\mahtab\Downloads\selenium-java-2.44.0\seleniur
cglib-nodep-2.1_3.jar - C:\Users\mahtab\Downloads\selenium-java-2.44.0
commons-codec-1.9.jar - C:\Users\mahtab\Downloads\selenium-java-2.4
commons-collections-3.2.1.jar - C:\Users\mahtab\Downloads\selenium-j
commons-exec-1.1.jar - C:\Users\mahtab\Downloads\selenium-java-2.44
commons-io-2.4.jar - C:\Users\mahtab\Downloads\selenium-java-2.44.0\
commons-jxpath-1.3.jar - C:\Users\mahtab\Downloads\selenium-java-2.4
commons-lang3-3.3.2.jar - C:\Users\mahtab\Downloads\selenium-java-2
commons-logging-1.1.3.jar - C:\Users\mahtab\Downloads\selenium-java
cssparser-0.9.14.jar - C:\Users\mahtab\Downloads\selenium-java-2.44.0\s
gson-2.3.jar - C:\Users\mahtab\Downloads\selenium-java-2.44.0\seleniun
guava-18.0.jar - C:\Users\mahtab\Downloads\selenium-java-2.44.0\seleni
hamcrest-core-1.3.jar - C:\Users\mahtab\Downloads\selenium-java-2.44.0
Add JARs...
Add External JARs...
Add Variable...
Add Library...
Add Class Folder...
Add External Class Folder...
Edit...
Remove
Migrate JAR File...
OK
Cancel

This is how your project structure will look like now.



Now we have added all the jars file and we are ready to code with SeleniumTo download the Selenium RC Server Jars, you can download it from selenium`s official site http://www.seleniumhq.org/download/ .