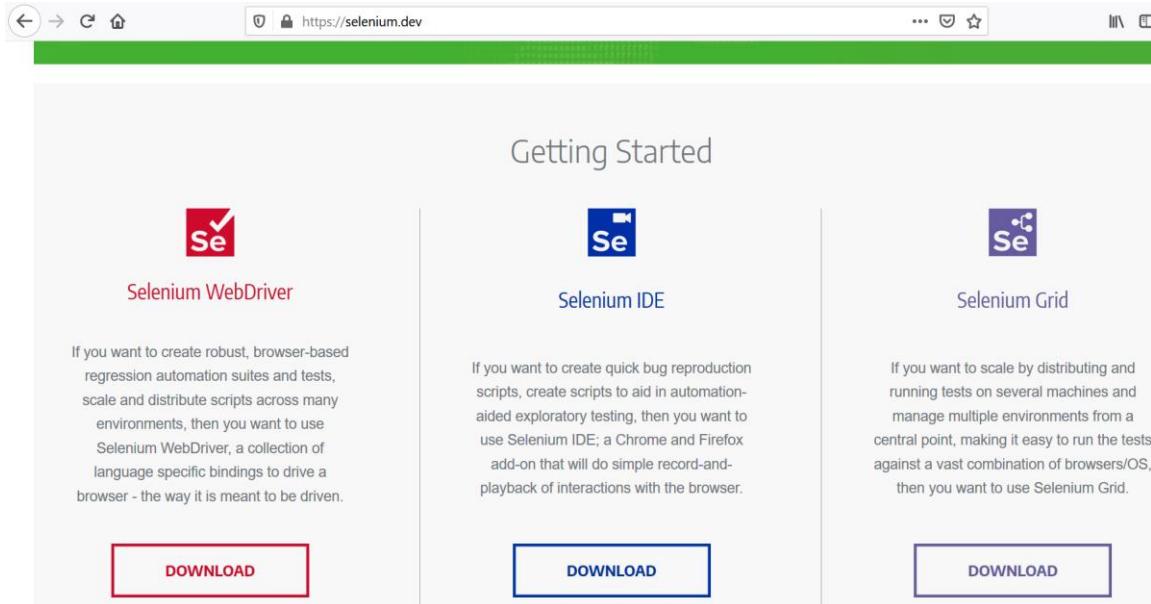
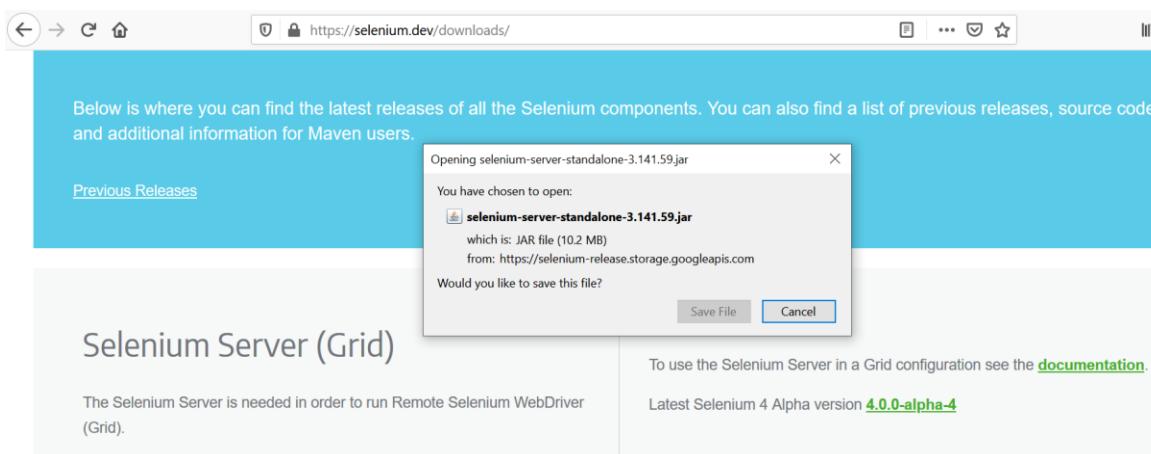


Selenium Installation and Lab exercise to open a website through selenium for further testing.



The screenshot shows the 'Getting Started' section of the Selenium website at <https://selenium.dev>. It features three main sections: 'Selenium WebDriver' (red), 'Selenium IDE' (blue), and 'Selenium Grid' (purple). Each section includes a brief description and a 'DOWNLOAD' button.

- Selenium WebDriver**: If you want to create robust, browser-based regression automation suites and tests, scale and distribute scripts across many environments, then you want to use Selenium WebDriver, a collection of language specific bindings to drive a browser - the way it is meant to be driven.
[DOWNLOAD](#)
- Selenium IDE**: If you want to create quick bug reproduction scripts, create scripts to aid in automation-aided exploratory testing, then you want to use Selenium IDE; a Chrome and Firefox add-on that will do simple record-and-playback of interactions with the browser.
[DOWNLOAD](#)
- Selenium Grid**: If you want to scale by distributing and running tests on several machines and manage multiple environments from a central point, making it easy to run the tests against a vast combination of browsers/OS, then you want to use Selenium Grid.
[DOWNLOAD](#)



The screenshot shows the 'Downloads' section of the Selenium website at <https://selenium.dev/downloads/>. It displays a message about finding releases and links to 'Previous Releases'. A file download dialog is overlaid on the page, showing details for 'selenium-server-standalone-3.141.59.jar'. The page also includes a note about using the Selenium Server in a Grid configuration and mentions the latest Selenium 4 Alpha version.

Below is where you can find the latest releases of all the Selenium components. You can also find a list of previous releases, source code, and additional information for Maven users.

[Previous Releases](#)

Opening selenium-server-standalone-3.141.59.jar

You have chosen to open:
selenium-server-standalone-3.141.59.jar
which is: JAR file (10.2 MB)
from: <https://selenium-release.storage.googleapis.com>

Would you like to save this file?

Save File Cancel

Selenium Server (Grid)

The Selenium Server is needed in order to run Remote Selenium WebDriver (Grid).

To use the Selenium Server in a Grid configuration see the [documentation](#).

Latest Selenium 4 Alpha version [4.0.0-alpha-4](#)

Download Oracle jdk 8

```
sudo add-apt-repository ppa:webupd8team/java  
sudo apt-get update  
sudo apt-get install oracle-java8-installer
```

Now Download Eclipse

www.eclipse.org/downloads/packages



Install eclips on your system.

Eclipse is downloaded.

Now create workspace for eclipse.

Go to workspace.

Create a java project.

Flow of Java Eclips would be like Project -→Package -→Class



Welcome to the Eclipse IDE for Java Developers



Review IDE configuration settings

Review the IDE's most fiercely contested preferences



Create a Hello World application

A guided walkthrough to create the famous Hello World in Eclipse



Create a new Java project

Create a new Java Eclipse project



Checkout projects from Git

Checkout Eclipse projects hosted in a Git repository



Import existing projects

Import existing Eclipse projects from the filesystem or archive



Launch the Eclipse Marketplace

Enhance your IDE with additional plugins and install your Marketplace favorites



Overview

Get an overview of the features



Tutorials

Go through tutorials



Samples

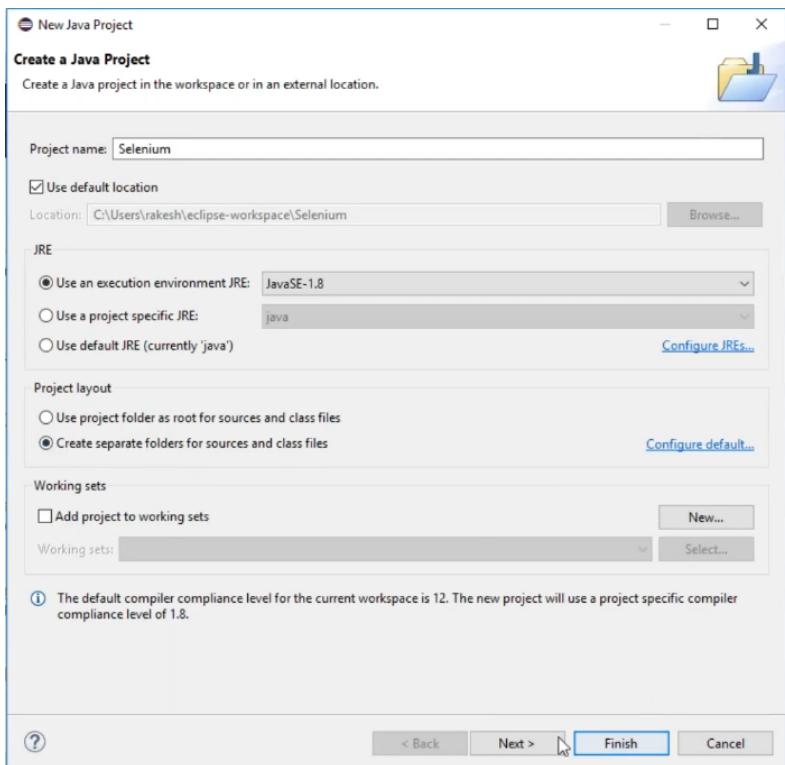
Try out the samples



What's New

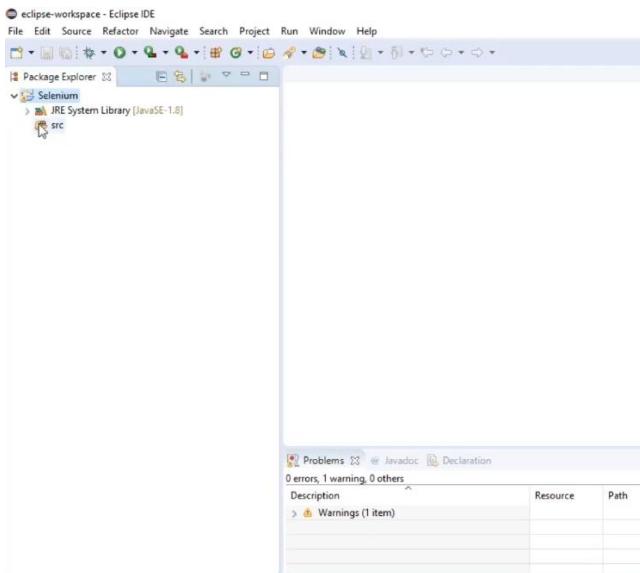
Find out what is new

Right Click on your project and go to build path.

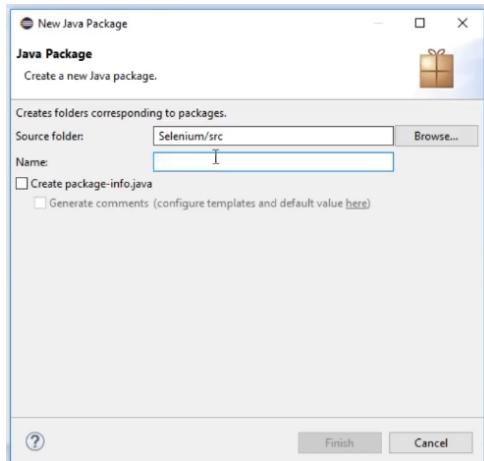
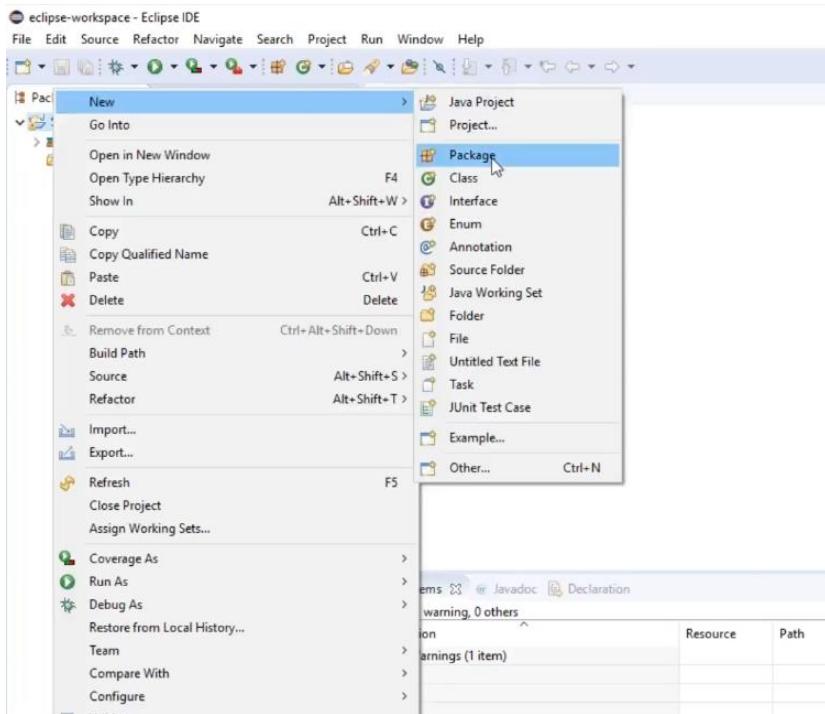


Select some older version of java in use an execution environment JRE above

Once the project is created then click on selenium and then src icon.

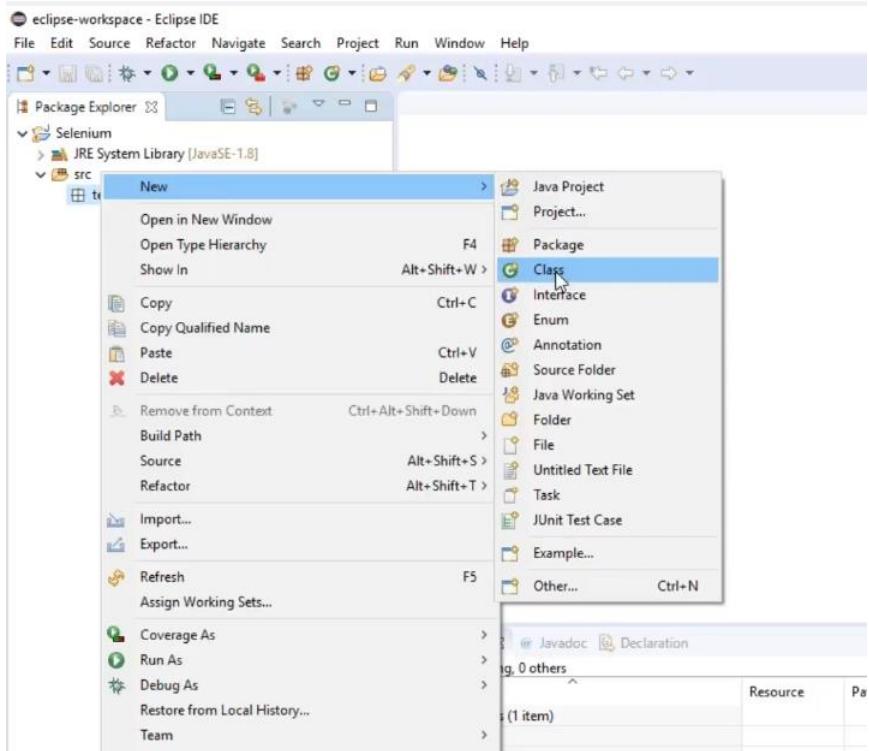


Now right click on selenium icon and create package

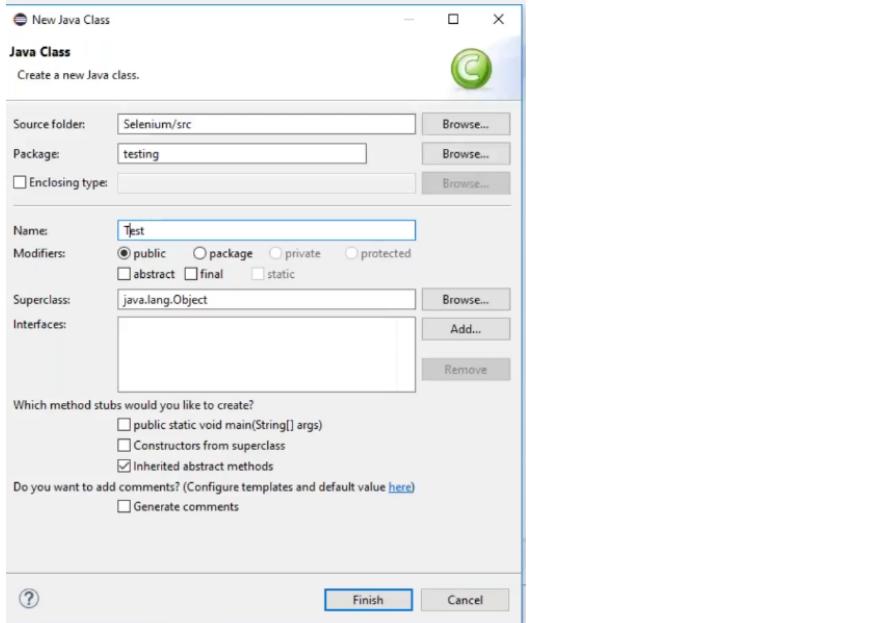


Give package name in small i.e testing

Now right click on package and go for class

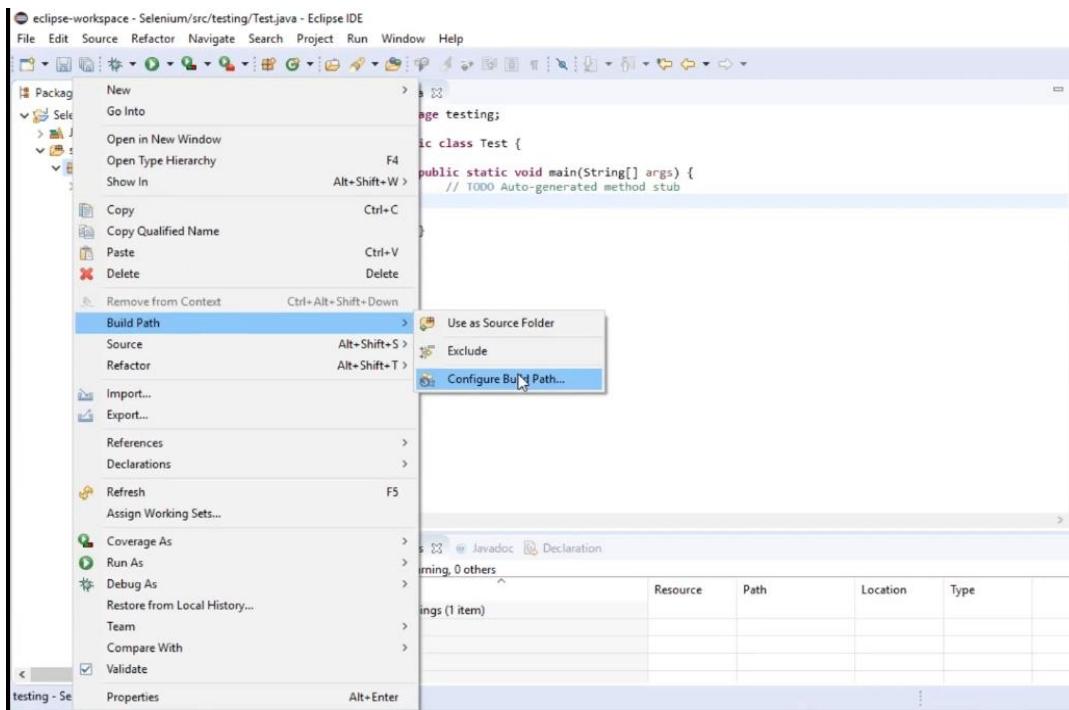


Package name should start from Caps

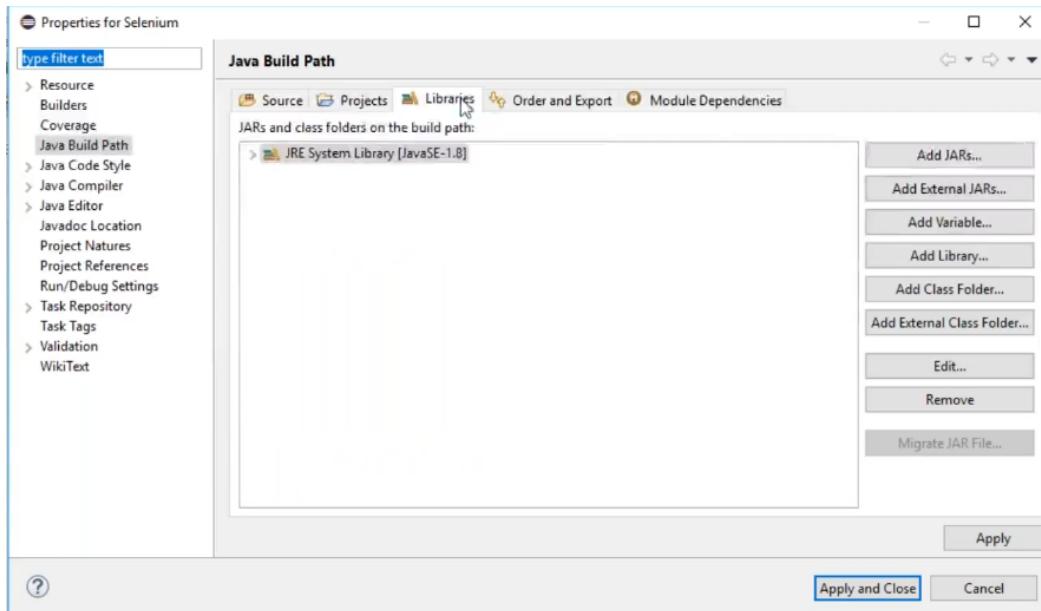


Selection public static void main from above option.

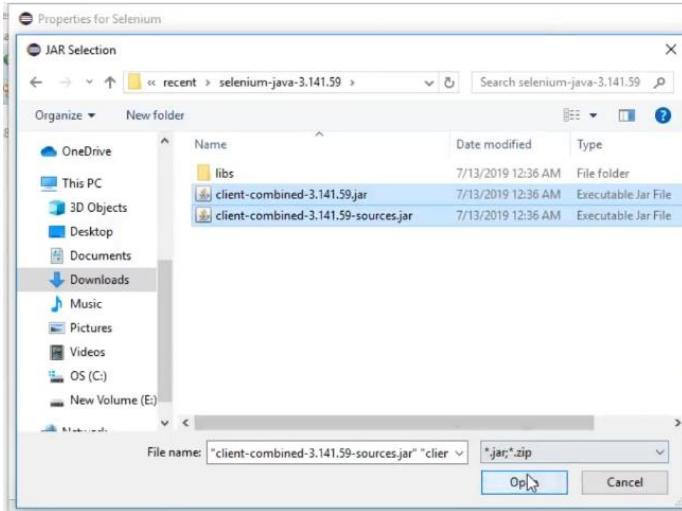
Now we need to add selenium jar in in eclips so right client on testing class then go to build path then configure build path.



Now go to libraries and then click add external jars then selection selenium jar

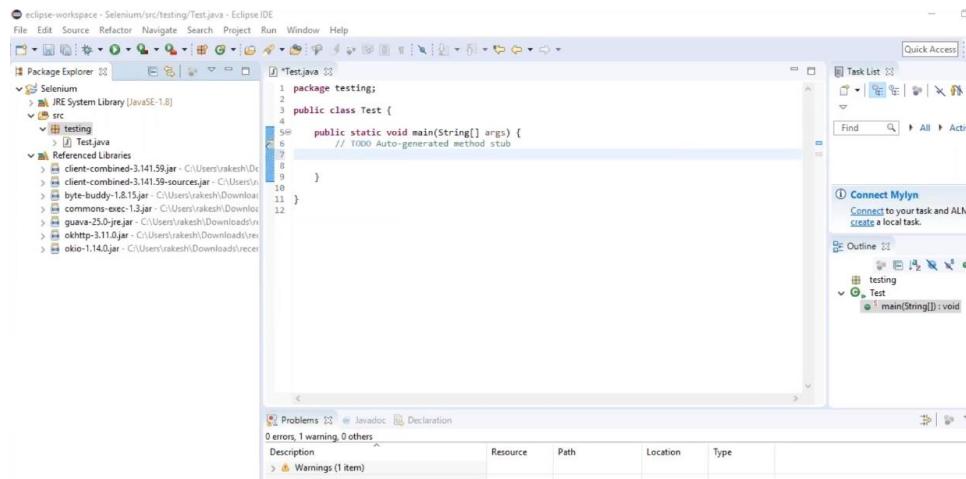


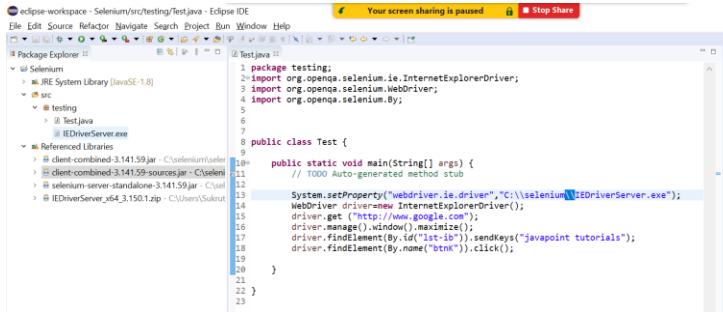
Select selenium jar by clicking on add external jar and select client-combined jar



Now add remaining jar from selenium jar archive then apply and close.

Now your class should look like this below screen





```

package testing;
import org.openqa.selenium.ie.InternetExplorerDriver;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.By;

public class Test {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        System.setProperty("webdriver.ie.driver","C:\\selenium\\IEDriverServer.exe");
        WebDriver driver=new InternetExplorerDriver();
        driver.get ("http://www.google.com");
        driver.manage().window().maximize();
        driver.findElement(By.id("lst-ib")).sendKeys("javapoint tutorials");
        driver.findElement(By.name("btnK")).click();

    }

}

*****&*****&*****

```

