Selenium
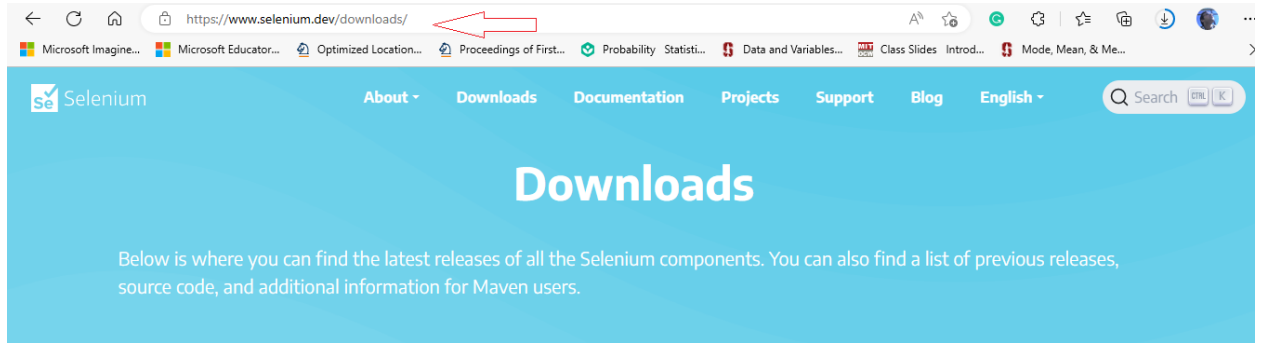
1. Download and install eclipse IDE for java developer.
2. Download selenium server standalone jar file and keep in a folder.
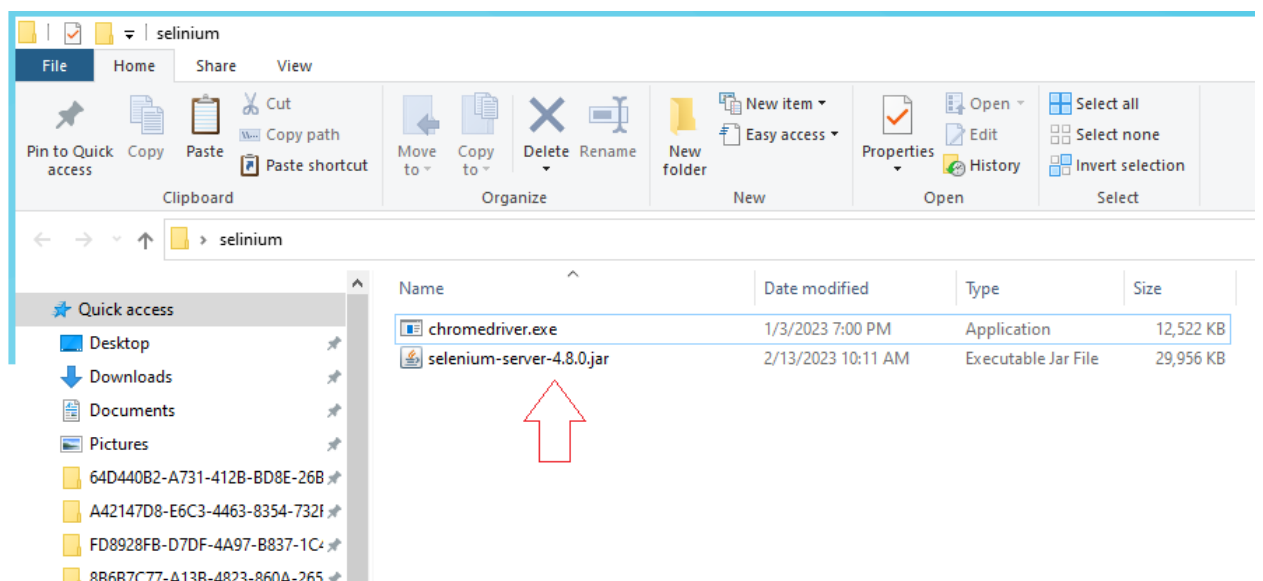

3. Download chromedriver.exe and keep in the same folder.(before downloading driver check chrome version using chrome help->about google chrome)
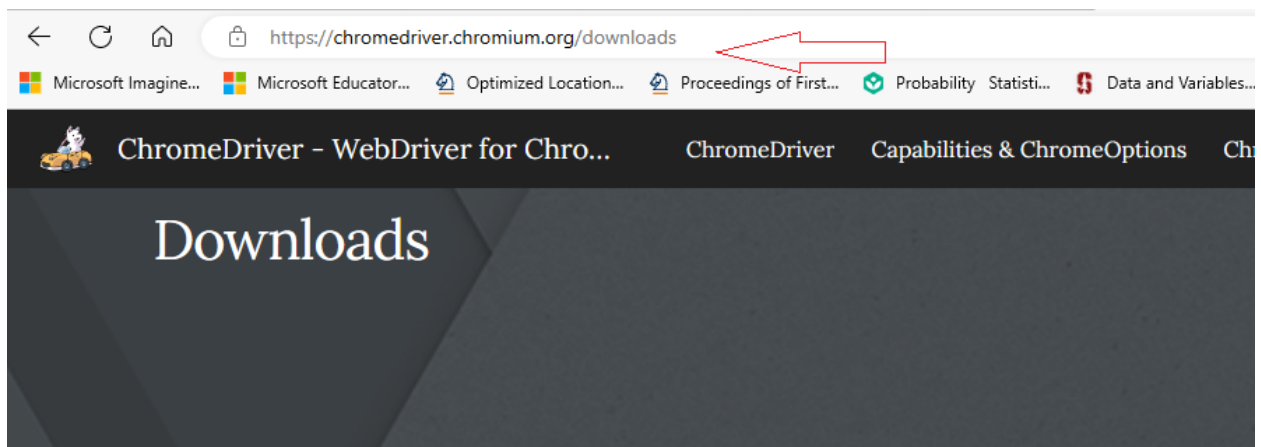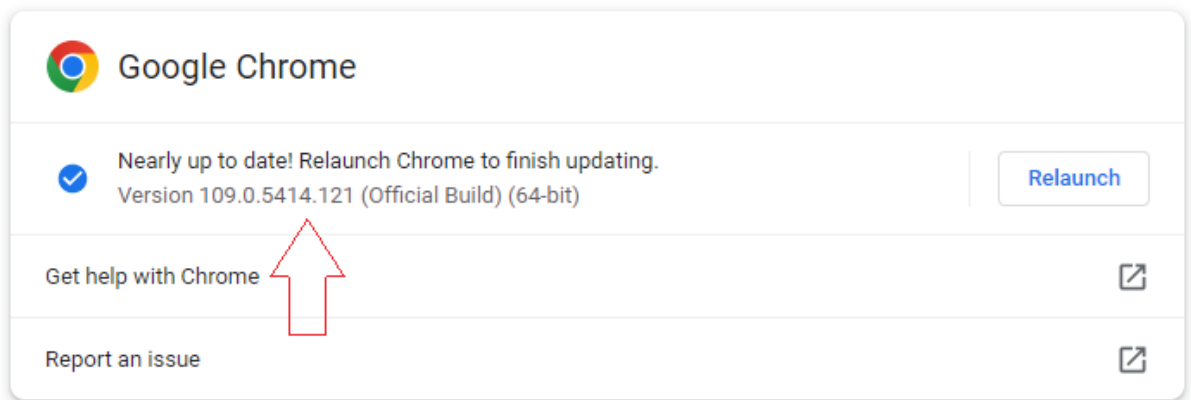
4. Open eclipse then file->new->java project (name the project as SeleniumDemo) ->Finish.
5. Right click on SeleniumDemo->build path -> configure build path->Add External Jar (provide the jar file (selenium server jar))
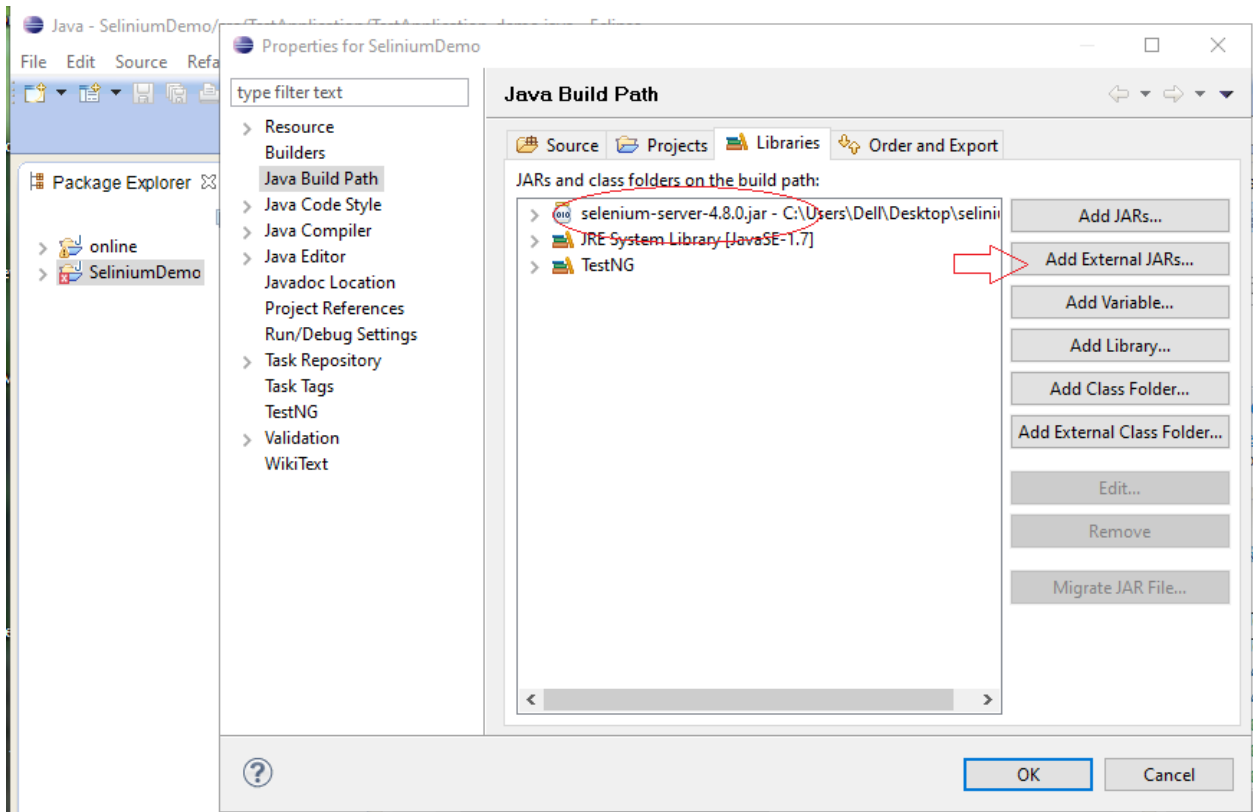
6. Right click on SeleniumDemo->new->Package (name the package as seleniumScript)
7. Right click on seleniumScript->new->class (name the class as WorkingWithChrome)

```java
package seliniumScript;

import org.openqa.selenium.chrome.ChromeDriver;

public class WorkingWithChrome {
    ChromeDriver driver;
    String url="https://www.google.com/";
    public void invokeBrowser(){


        System.setProperty("webdriver.chrome.driver","C:\\Users\\Dell\\Desktop\\selinium\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get(url);
    }
    public void getTitle(){
        String titleofthepage=driver.getTitle();
        System.out.println("Title of the page:::::"+titleofthepage);
    }
    public void closeBrowser(){
        //driver.close();
        driver.quit();
    }
}
```

```java
    public static void main(String[] args) {
            WorkingWithChrome wc=new WorkingWithChrome();
            wc.invokeBrowser();
            wc.getTitle();
            wc.closeBrowser();
        }
}
```

- Right click on code and run as java application.

Install TestNG plug-in (open eclipse->help->eclipse marketplace->find->(search TestNG and install))

################ **Login your Facebook account using selenium Script** ################

```java
import org.openqa.selenium.By;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
public class Demo_2 {
      public static void main(String[] args) {
            // TODO Auto-generated method stub

            ChromeOptions options = new ChromeOptions();


      System.setProperty("webdriver.chrome.driver","C:\\Users\\Dell\\Desktop\
\selinium\\chromedriver.exe");
            ChromeDriver driver=new ChromeDriver();
            driver.get("http://www.facebook.com");
            driver.manage().window().maximize();
            driver.findElement(By.id("email")).sendKeys("*****4958");
            driver.findElement(By.id("pass")).sendKeys("*******");
            driver.findElement(By.id("u_0_2")).click();
            //check the id of the element by right click on the web page and
            //inspect the element or press F12 (or shift F12)


      }


}
```

```
//for Microsoft EDGE
```

//System.setProperty("webdriver.edge.EdgeDriver", "MicrosoftWebDriver.exe");

//EdgeDriver driver=new EdgeDriver();

// use similar code for safari and firefox