

- 1) Install dependencies and update.

```
sudo apt-get update
```

```
sudo apt-get install -y unzip openjdk-8-jre-headless xvfb libxi6 libgconf-2-4
```

- 2) Install Chrome binary

```
sudo curl -sS -o - https://dl-ssl.google.com/linux/linux_signing_key.pub | apt-key add
```

```
sudo echo "deb http://dl.google.com/linux/chrome/deb/ stable main" >>  
/etc/apt/sources.list.d/google-chrome.list
```

```
sudo apt-get -y update
```

```
sudo apt-get -y install google-chrome-stable
```

- 3) Check version of Chrome

```
google-chrome --version
```

- 4) Install Selenium

```
pip install selenium
```

- 5) Install Firefox

```
sudo apt install firefox
```

- 6) Check version of Firefox

```
firefox --version
```

- 7) Install Java

This procedure installs the Java Development Kit (JDK) for 64-bit Linux, using an archive file (`.tar.gz`).

These instructions use the following files:

`jdk-8uversion-linux-x64.tar.gz` and `jdk-8uversion-linux-aarch64.tar.gz` (version 8u271 and later) for 64-bit ARM systems.

1. Download the required file.

Before the file can be downloaded, you must accept the license agreement. The archive file can be installed by anyone (not only root users), in any location that you can write to. However, only the root user can install the JDK into the system location.

2. Change directory to the location where you would like the JDK to be installed, then move the `.tar.gz` archive file to the current directory.

3. Unpack the archive file and install the JDK.

- o For x64 - `% tar zxvf jdk-8uversion-linux-x64.tar.gz`
- o For 64-bit ARM system - `% tar zxvf jdk-8uversion-linux-aarch64.tar.gz`

The Java Development Kit files are installed in a directory called `jdk1.8.0_version` in the current directory.

4. Delete the `.tar.gz` file if you want to save disk space.

8) Install eclipse

<https://www.javahelps.com/2015/03/install-latest-eclipse-in-ubuntu.html>

9) Install git

<https://www.atlassian.com/git/tutorials/install-git>

10) Clone FoD project

<https://docs.github.com/en/github/creating-cloning-and-archiving-repositories/cloning-a-repository>

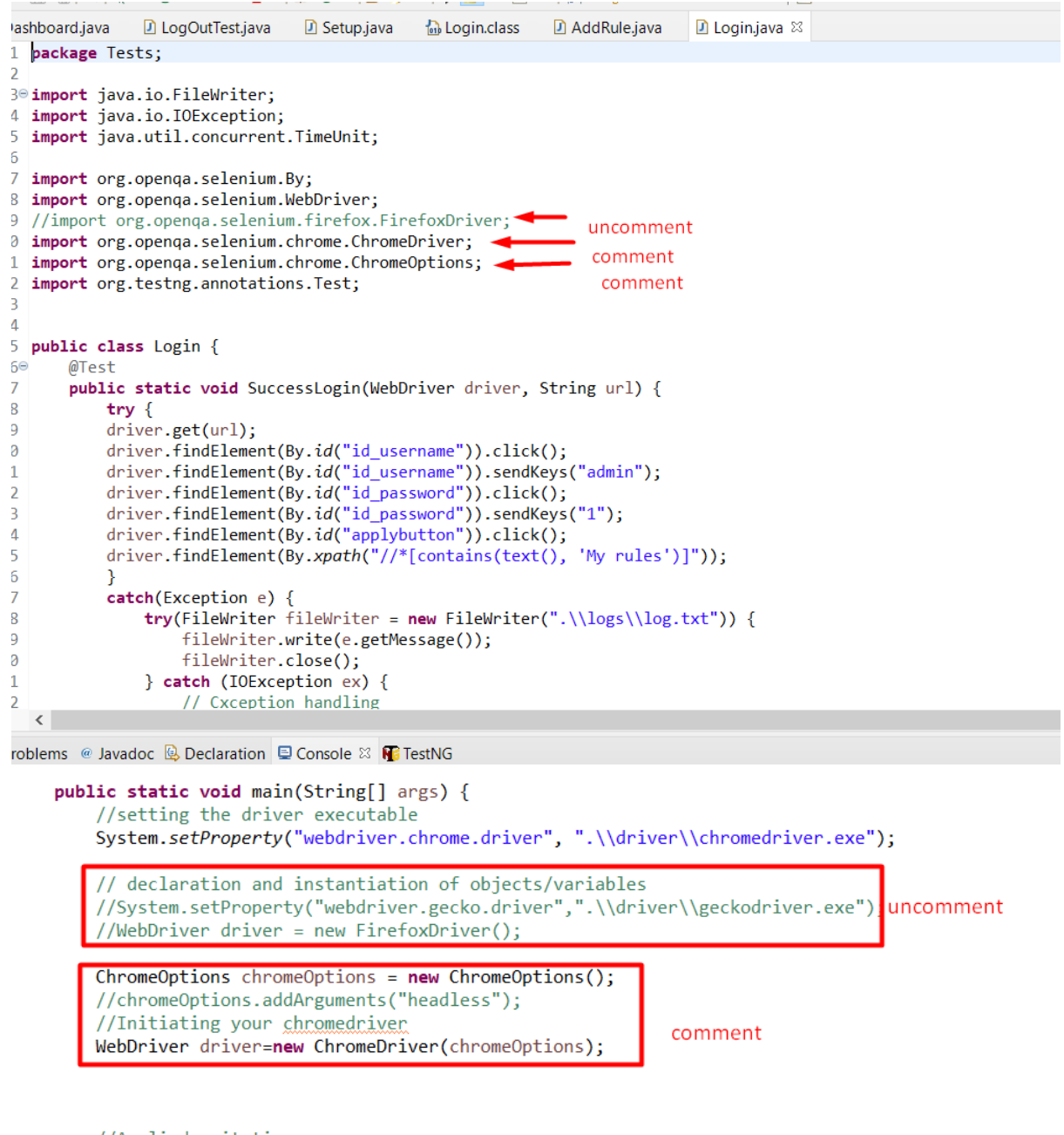
11) In ..\FOD\Tests\SeleniumJava\selenium\drivers folder you can find chrome and firefox webdrivers for windows, linux machine. Be careful with version of webdrivers and browser.

12) Choose the necessary webdriver and add into

..\FOD\Tests\SeleniumJava\FodSelenium\driver folder. By default Test Project use chromedriver for windows.

13) Open project in eclipse – choose workspace ..\FOD\Tests\SeleniumJava\FodSelenium

#### 14) If you want to use firefox



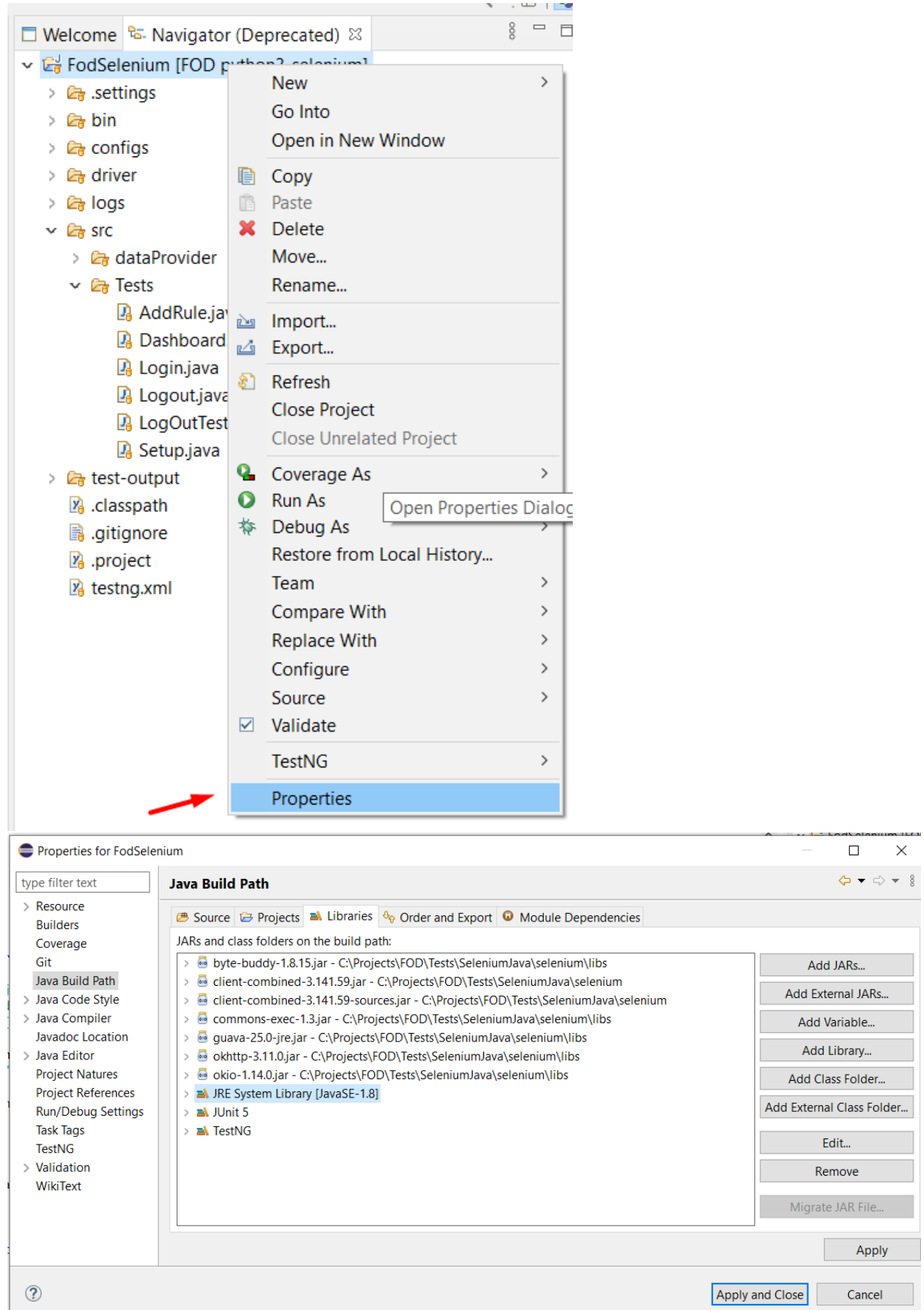
```

1 package Tests;
2
3 import java.io.FileWriter;
4 import java.io.IOException;
5 import java.util.concurrent.TimeUnit;
6
7 import org.openqa.selenium.By;
8 import org.openqa.selenium.WebDriver;
9 //import org.openqa.selenium.firefox.FirefoxDriver; ← uncomment
10 import org.openqa.selenium.chrome.ChromeDriver; ← comment
11 import org.openqa.selenium.chrome.ChromeOptions; ← comment
12 import org.testng.annotations.Test;
13
14 public class Login {
15     @Test
16     public static void SuccessLogin(WebDriver driver, String url) {
17         try {
18             driver.get(url);
19             driver.findElement(By.id("id_username")).click();
20             driver.findElement(By.id("id_username")).sendKeys("admin");
21             driver.findElement(By.id("id_password")).click();
22             driver.findElement(By.id("id_password")).sendKeys("1");
23             driver.findElement(By.id("applybutton")).click();
24             driver.findElement(By.xpath("//*[@contains(text(), 'My rules')]"));
25         }
26         catch (Exception e) {
27             try {
28                 FileWriter fileWriter = new FileWriter(".\\logs\\log.txt");
29                 fileWriter.write(e.getMessage());
30                 fileWriter.close();
31             } catch (IOException ex) {
32                 // Exception handling
33             }
34         }
35     }
36
37     public static void main(String[] args) {
38         //setting the driver executable
39         System.setProperty("webdriver.chrome.driver", ".\\driver\\chromedriver.exe");
40
41         // declaration and instantiation of objects/variables
42         //System.setProperty("webdriver.gecko.driver", ".\\driver\\geckodriver.exe"); ← uncomment
43         //WebDriver driver = new FirefoxDriver();
44
45         ChromeOptions chromeOptions = new ChromeOptions();
46         //chromeOptions.addArguments("headless");
47         //Initiating your chromedriver
48         WebDriver driver=new ChromeDriver(chromeOptions); ← comment
49
50         // ...
51     }
52 }

```

#### 15) Add right selenium libs

Right click on project->properties->Java Build Path->Libraries

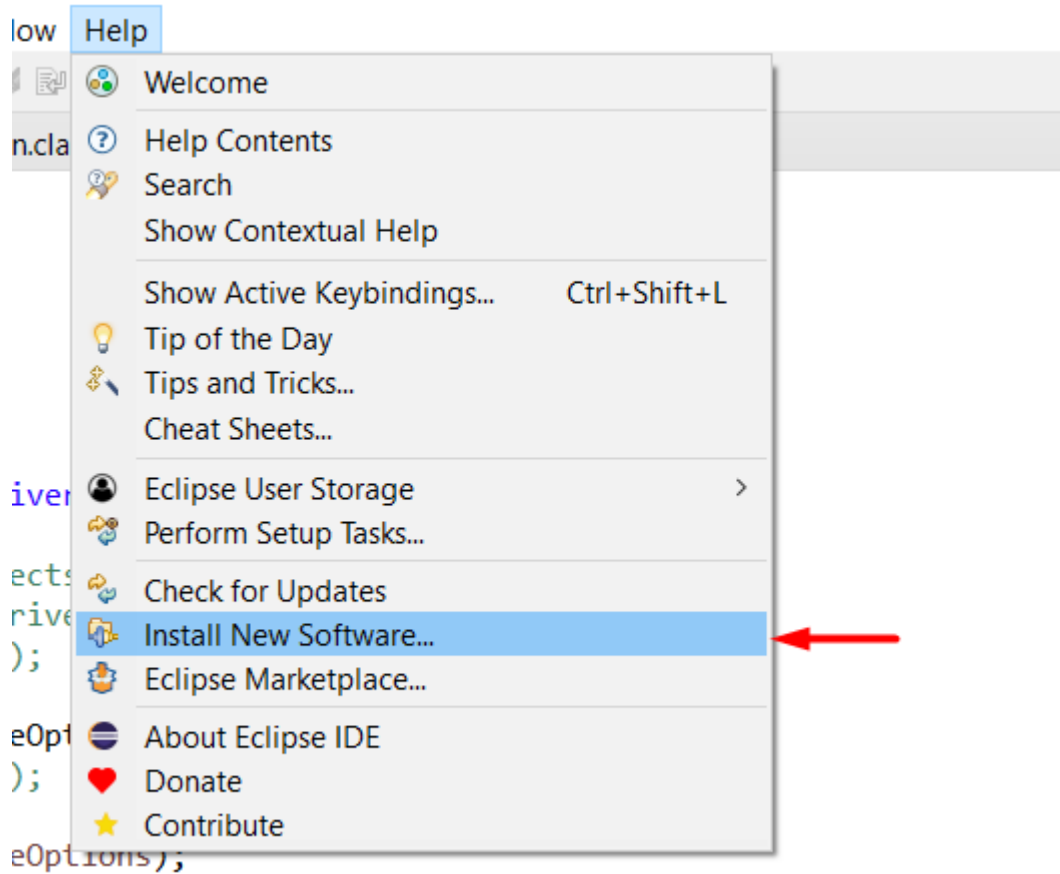


Delete all missing libs.

Click Add External JARs. Choose all jars from `..\FOD\Tests\SeleniumJava\selenium` and `..\FOD\Tests\SeleniumJava\selenium\libs` – Apply and Close.

#### 16) Add TestNG

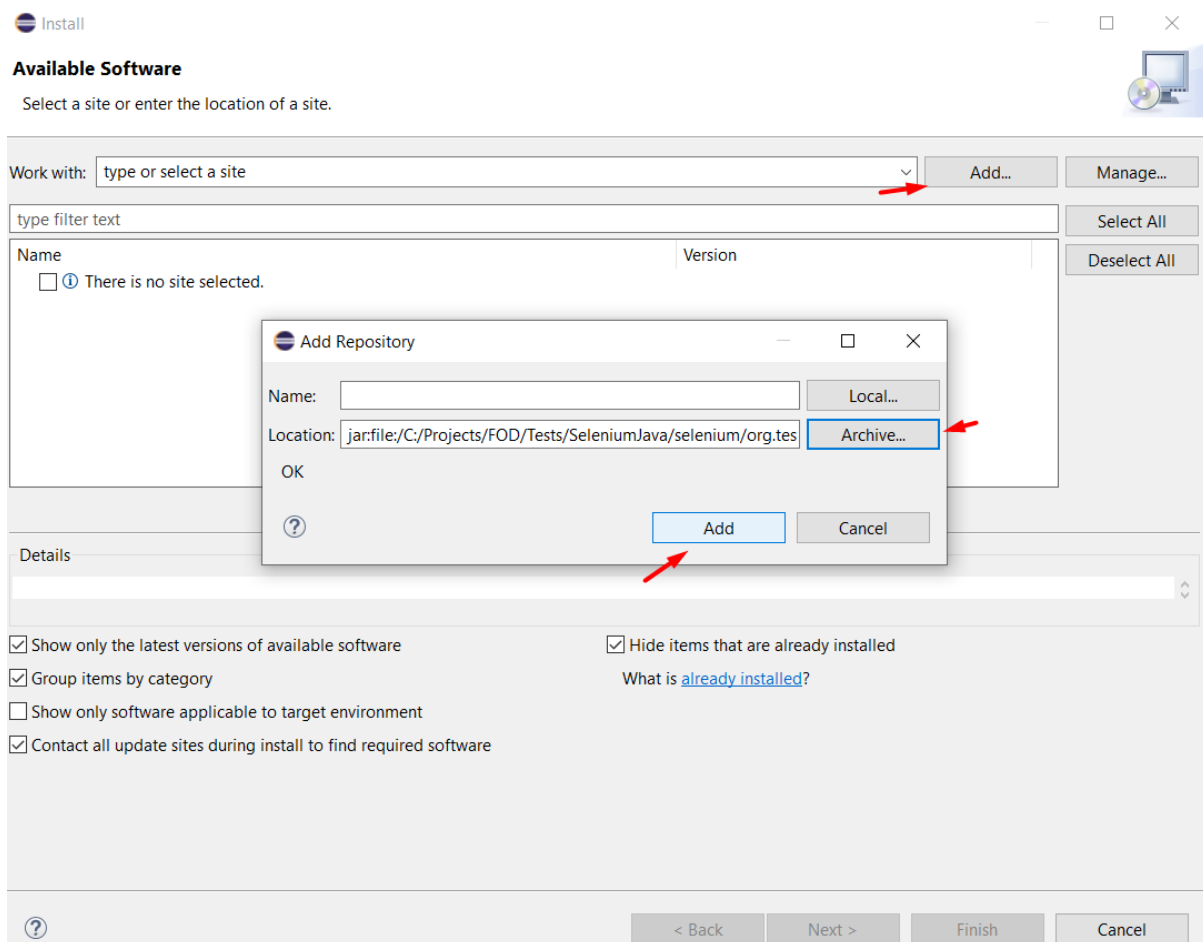
Click Help->Install New Software



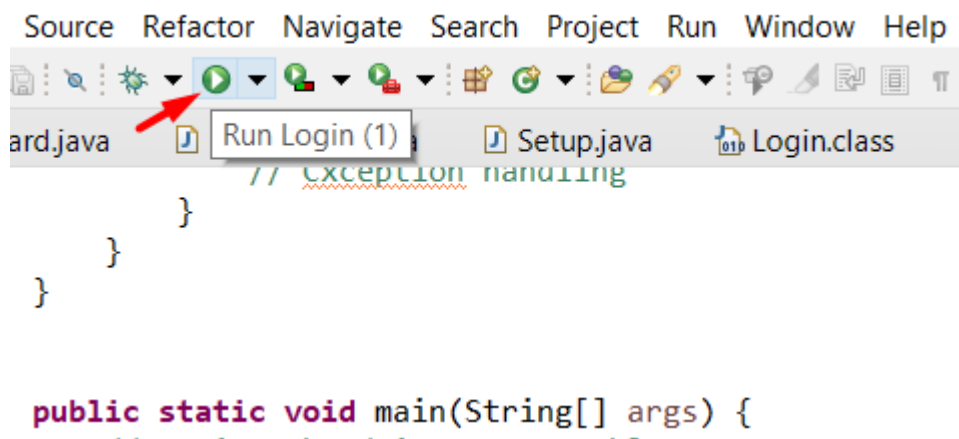
Add->Archive->Add

Choose `Archive.org.testng.eclipse.update.site.zip` from folder `..\FOD\Tests\SeleniumJava\selenium`.  
Install Archive.

Restart eclipse.



- 17) After restart eclipse open again workspace FODSelenium. Try run test.  
 mjava - FODSelenium/src/ tests/Login.java - Eclipse IDE



Errors may occur with version of browser and webdriver.

If necessary download right version of webdriver.