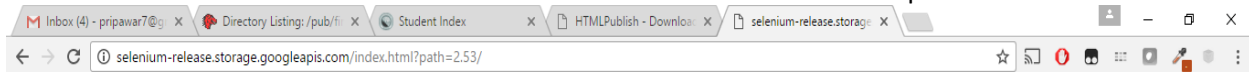


HW6

1. Describe details about How to setup Selenium WebDriver and run test case(s) on your local machine (by JUnit)?

1) (10%) How to download selenium-java and JUnit?

- Go to <http://www.seleniumhq.org/download/>
- Look for Selenium Clint & WebDriver Bindings.
- Look for Java and click on download link as shown in below picture



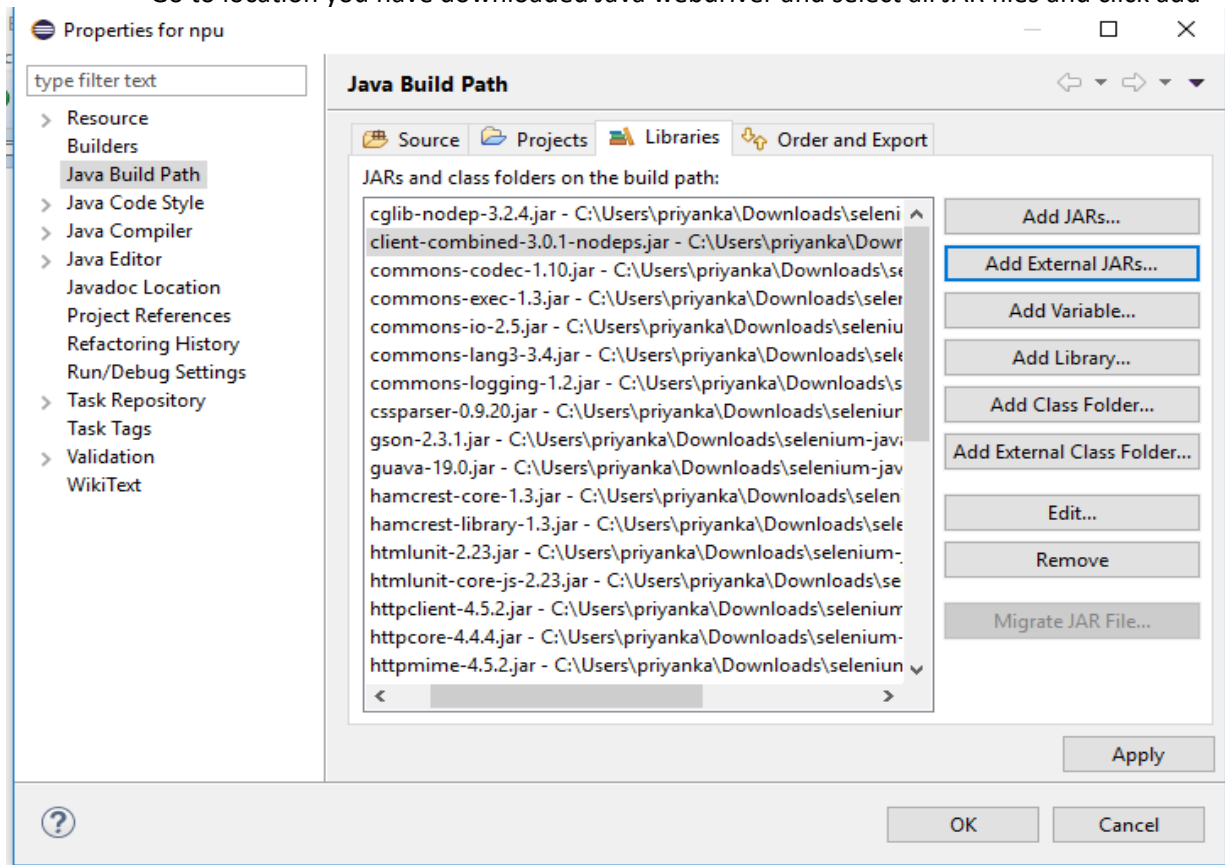
Index of /2.53/

Name	Last modified	Size	ETag
Parent Directory	-	-	-
selenium-dotnet-strongnamed-2.53.1.zip	2016-06-29 14:02:50	3.84MB	934ee45515dfff254bf684e47ab3cee5
IEDriverServer_Win32_2.53.0.zip	2016-03-16 19:56:46	0.96MB	63066830741d59a6c74045a9f24291c
IEDriverServer_x64_2.53.0.zip	2016-03-16 19:56:51	1.12MB	0acce304cbd05a25ba6f11f7c8b9311c
IEDriverServer_x64_2.53.1.zip	2016-04-04 16:22:52	1.12MB	6c822788a04e4e8d4727dc4c08c0102a
selenium-dotnet-2.53.0.zip	2016-03-16 19:56:25	6.16MB	48497a5fee161525c084902d23f9f343
selenium-dotnet-2.53.1.zip	2016-06-29 14:02:52	6.15MB	89e6bf9613ed24da24fd52097b5d90f4
selenium-dotnet-strongnamed-2.53.0.zip	2016-03-16 19:56:41	3.88MB	74430a6ae437d7a03d04ca3858ab5fe8
IEDriverServer_Win32_2.53.1.zip	2016-04-04 16:22:50	0.95MB	35ac005f9088f2995d6a1cdc384fe4cb
selenium-java-2.53.0.zip	2016-03-15 17:09:19	10.01MB	e76e4cb82b51e459a78244c7af7076d5
selenium-java-2.53.1.zip	2016-06-30 19:29:13	10.01MB	b2d9f0efcfcbb3f16802836aed23a42
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selenium-server-2.53.1.zip	2016-06-30 19:29:27	18.32MB	fe506d2323d3fbfe82c3d91badb8f012
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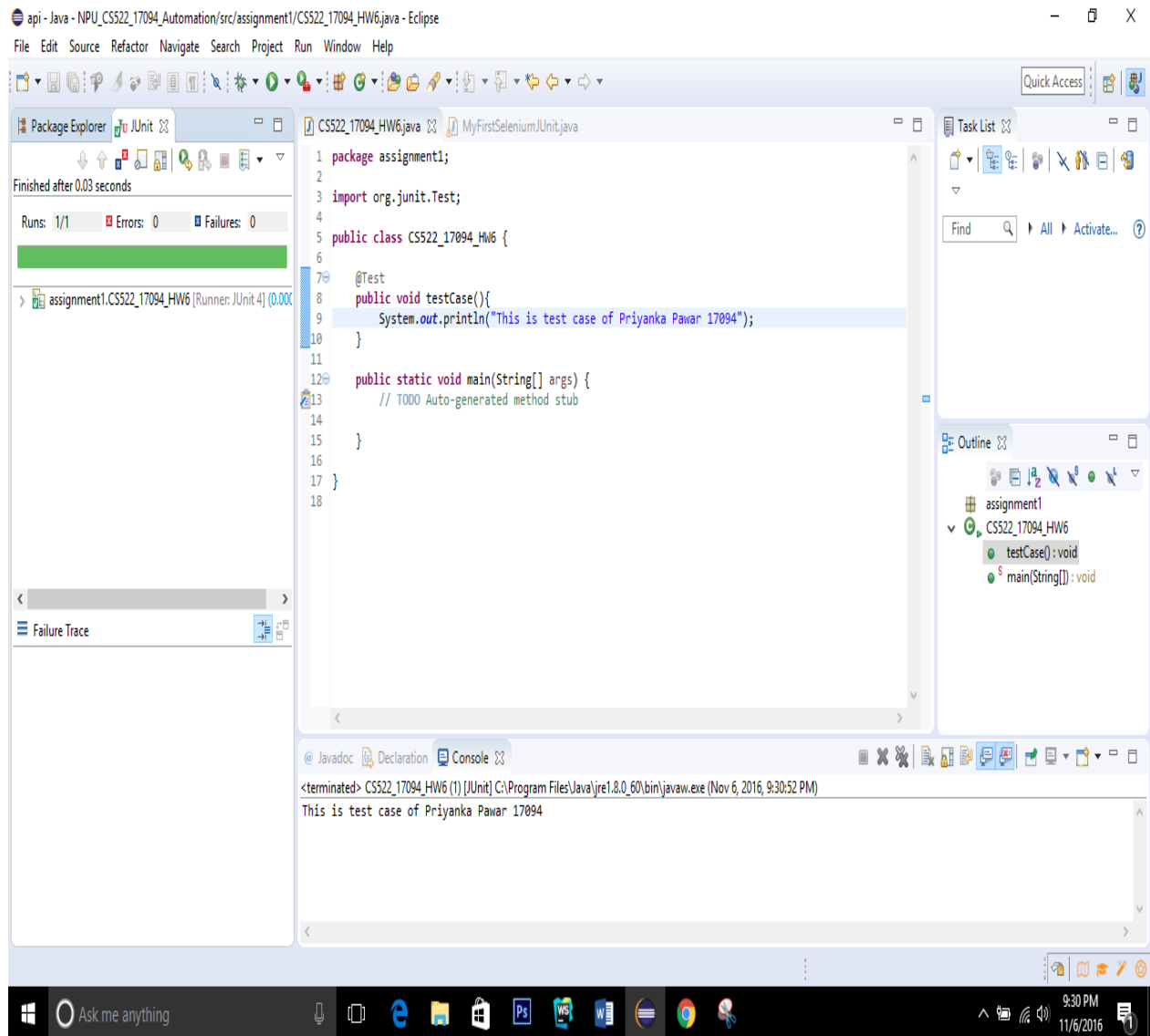
2) (10%) How to create a project and add external jar files to editor (e.g. Eclipse) as Build Path Libraries?

- Open Eclipse
- Click on file → New → Project
- Give appropriate name eg. NPU_CS522_16246_Automation and click on ok
- Once project created, right click on project and go to properties
- In left corner select java build path → Add External JARs
- Go to location you have downloaded Java webdriver and select all JAR files and click add



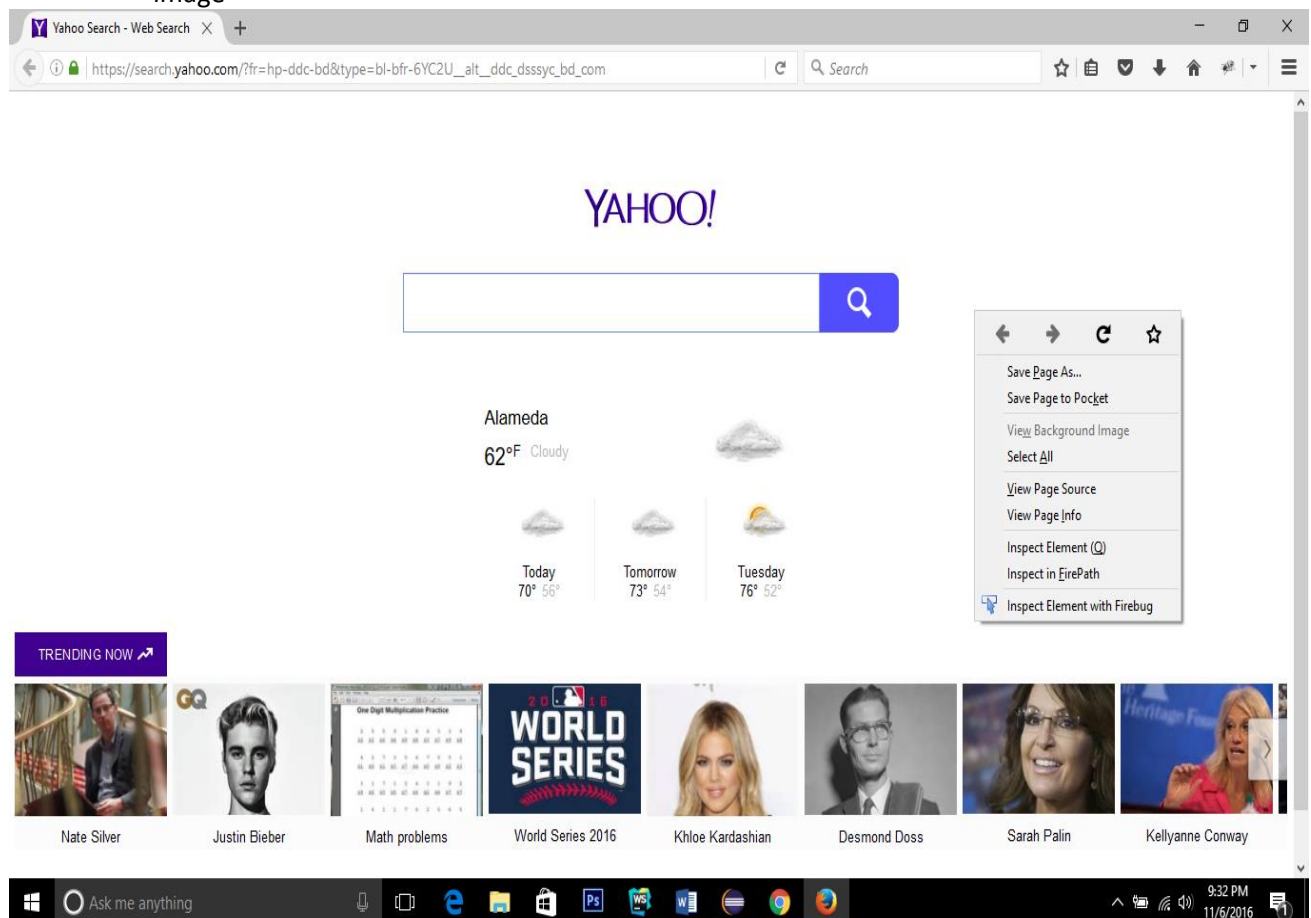
3) (10%) How many different ways to run Selenium test case using your editor (e.g. Eclipse)?

- You use `@Test` annotation before writing test case
- Once you write test case you can right click → Run as → JUnit Test or TestNG test



4) (10%) How to install Firefox and add-ons plugin of Firebug and FirePath?

- Go to <https://ftp.mozilla.org/pub/firefox/releases/46.0.1/win64/en-US/>
- Click on Firefox setup 46.0.1 link and it will start downloading executable file
- Run that .Exe file and follow the steps to install Firefox
- Once Firefox has been installed open Firefox and go to <http://getfirebug.com/>
- Click on Install Firebug
- It will start installing.
- To install firepath open Firefox go to <https://addons.mozilla.org/en-US/firefox/addon/firepath/>
- Click on install add-on It will start installing. Restart the browser once installation done
- Right click inside Firefox you will see firebug and firepath is installed as seen in below image

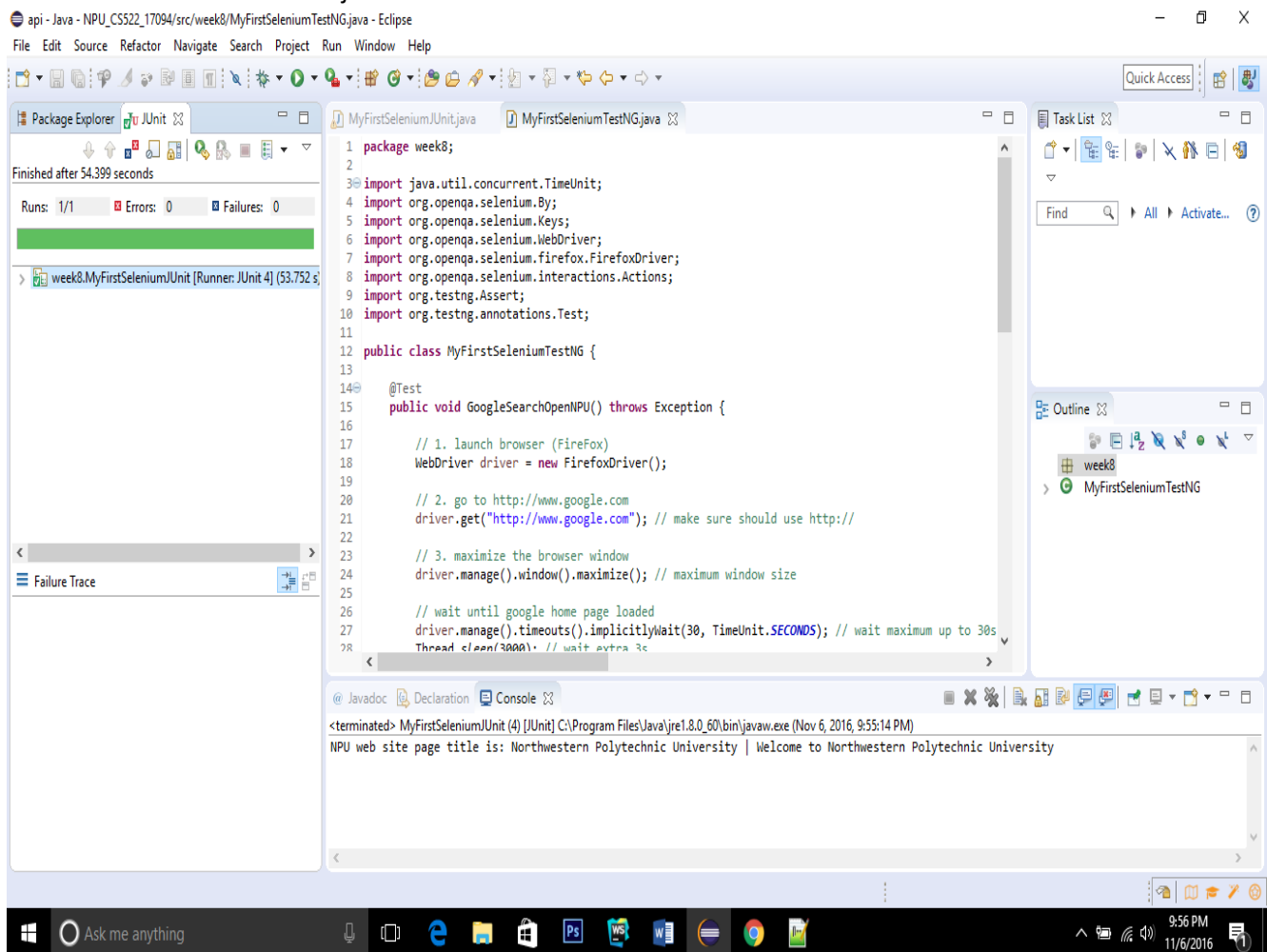


5) (10%) What version of Java, selenium java, JUnit and Firefox have you verified they are compatible?

- Java JDK 1.8
- Selenium Java 2.53
- JUnit 4
- Firefox 46.0.1

2. (30%) Create a package week8 and a class MyFirstSeleniumJUnit, type the sample test case automation script in your editor (e.g. Eclipse) to familiar Selenium WebDriver automation, run from your machine, try to understand each step and update it if you can to run it better.

Please attach and submit the java file.



3. (20%) During your first selenium automation homework, what problems, issues and troubles do you experienced? How do you resolve?

- I had errors as Junit libraries were not imported so I hover over on test case and click on import Junit package
- I was getting error when I created object of Webdriver class. I imported WebDriver package along with FirefoxDriver package by writing `// import org.openqa.selenium.WebDriver;` and `import org.openqa.selenium.firefox.FirefoxDriver;`
- I had got error when I created object of Action class. It can be solved by importing Action package