1.Problem Statement:

Configure the Selenium web driver.

Configure the Internet Explorer browser and chrome browser. Before configuring capture the exception displayed.

2.Source code:

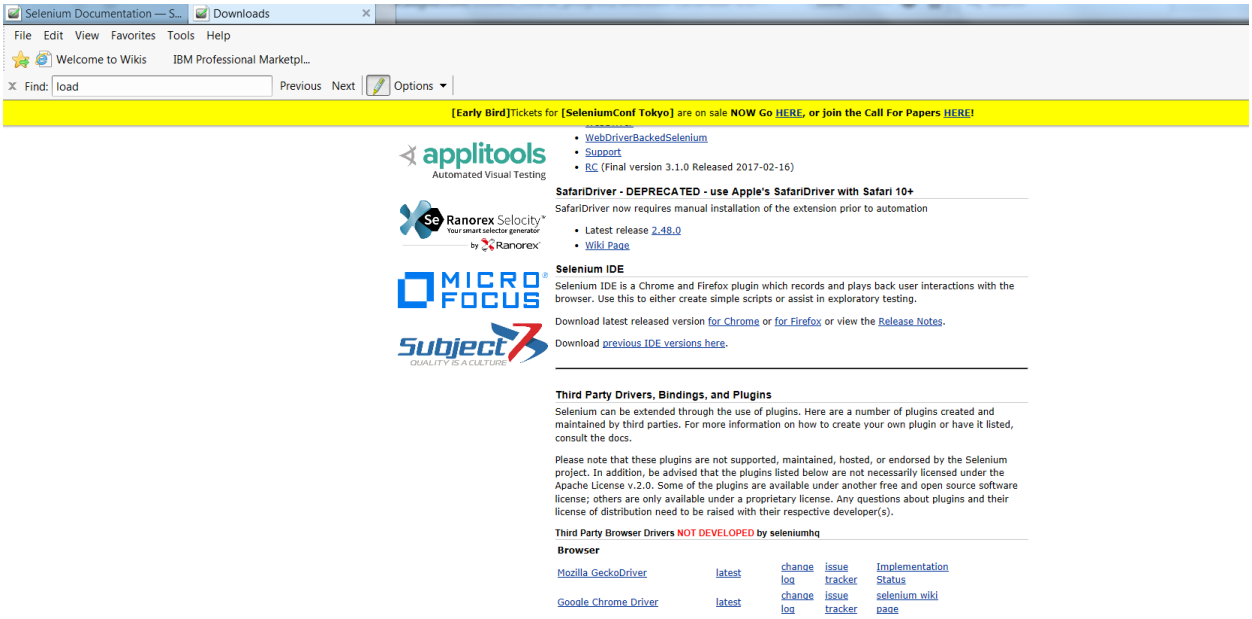
To load Chrome driver (LoadDriver .java)

```
package com.ibm.seleniumconcepts;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class LoadDriver {

	// Declaration of main method
	public static void main(String[] args) {

		// Setting the absolute path to load Chrome Driver
		System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
		// Creating object for Chrome Driver
		WebDriver driver = new ChromeDriver();

	}

}// End of Program
```

To load IE driver (LoadIeDriver.java)

```
package com.ibm.seleniumconcepts;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;

public class LoadIeDriver {
	// Declaration of main method
	public static void main(String[] args) {

		// Setting the absolute path to load IE Driver
		System.setProperty("webdriver.ie.driver",
"./drivers/IEDriverServer.exe");

		// Creating object for IE Driver
		WebDriver driver = new InternetExplorerDriver();

		System.out.println("Hello");
	}

}// End of program
```

3.Output:


Selenium Documentation — S...
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Welcome to Wikis
IBM Professional Marketpl...
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[Early Bird]Tickets for [SeleniumConf Tokyo] are on sale NOW Go HERE, or join the Call For Papers HERE!
applitools
Automated Visual Testing
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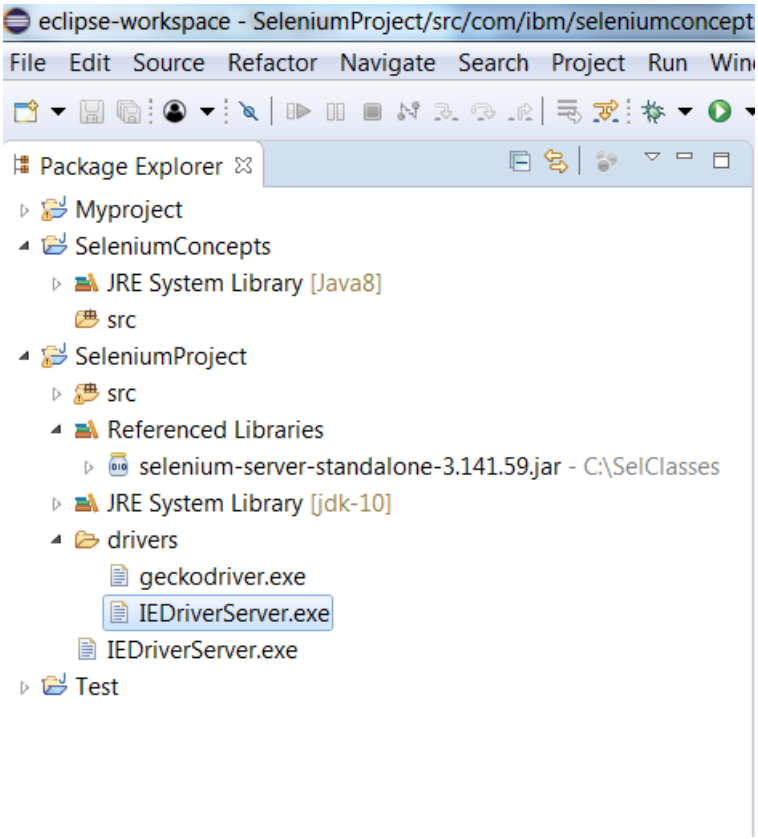
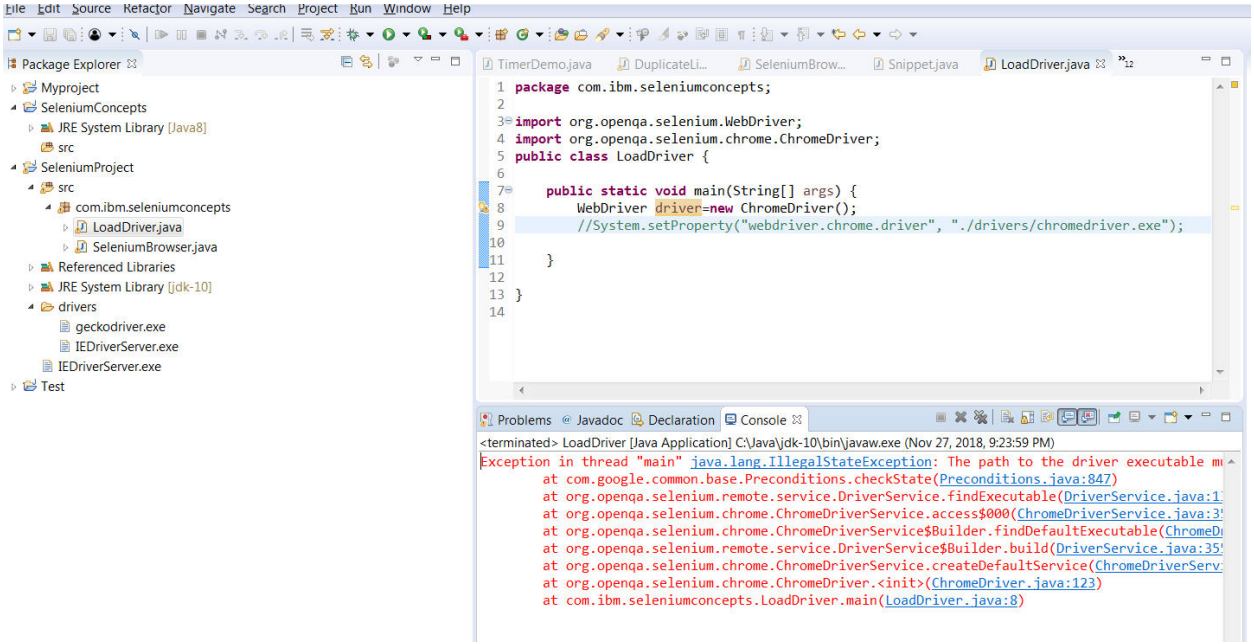
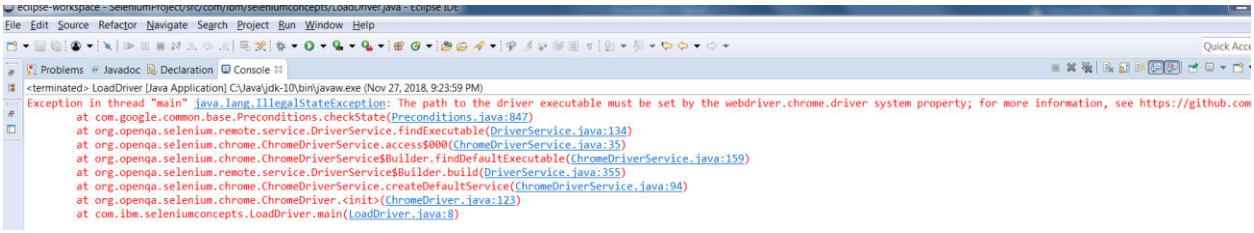
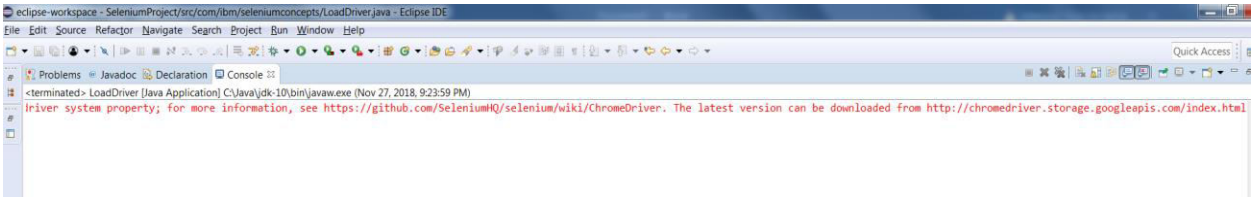
by Ranorex
MICRO FOCUS
Subject7
QUALITY IS A CULTURE
WebDriverBackedSelenium
Support
RC (Final version 3.1.0 Released 2017-02-16)
SafariDriver - DEPRECATED - use Apple's SafariDriver with Safari 10+
SafariDriver now requires manual installation of the extension prior to automation
Latest release 2.48.0
Wiki Page
Selenium IDE
Selenium IDE is a Chrome and Firefox plugin which records and plays back user interactions with the browser. Use this to either create simple scripts or assist in exploratory testing.
Download latest released version for Chrome or for Firefox or view the Release Notes.
Download previous IDE versions here.
Third Party Drivers, Bindings, and Plugins
Selenium can be extended through the use of plugins. Here are a number of plugins created and maintained by third parties. For more information on how to create your own plugin or have it listed, consult the docs.
Please note that these plugins are not supported, maintained, hosted, or endorsed by the Selenium project. In addition, be advised that the plugins listed below are not necessarily licensed under the Apache License v.2.0. Some of the plugins are available under another free and open source software license; others are only available under a proprietary license. Any questions about plugins and their license of distribution need to be raised with their respective developer(s).
Third Party Browser Drivers NOT DEVELOPED by seleniumhq
Browser
Mozilla GeckoDriver latest change log issue tracker Implementation Status
Google Chrome Driver latest change log issue tracker selenium wiki page


eclipse-workspace - SeleniumProject/src/com/ibm/seleniumconcept
File Edit Source Refactor Navigate Search Project Run Win
Package Explorer
Myproject
SeleniumConcepts
JRE System Library [Java8]
src
SeleniumProject
src
Referenced Libraries
selenium-server-standalone-3.141.59.jar - C:\SelClasses
JRE System Library [jdk-10]
drivers
geckodriver.exe
IEDriverServer.exe
IEDriverServer.exe
Test

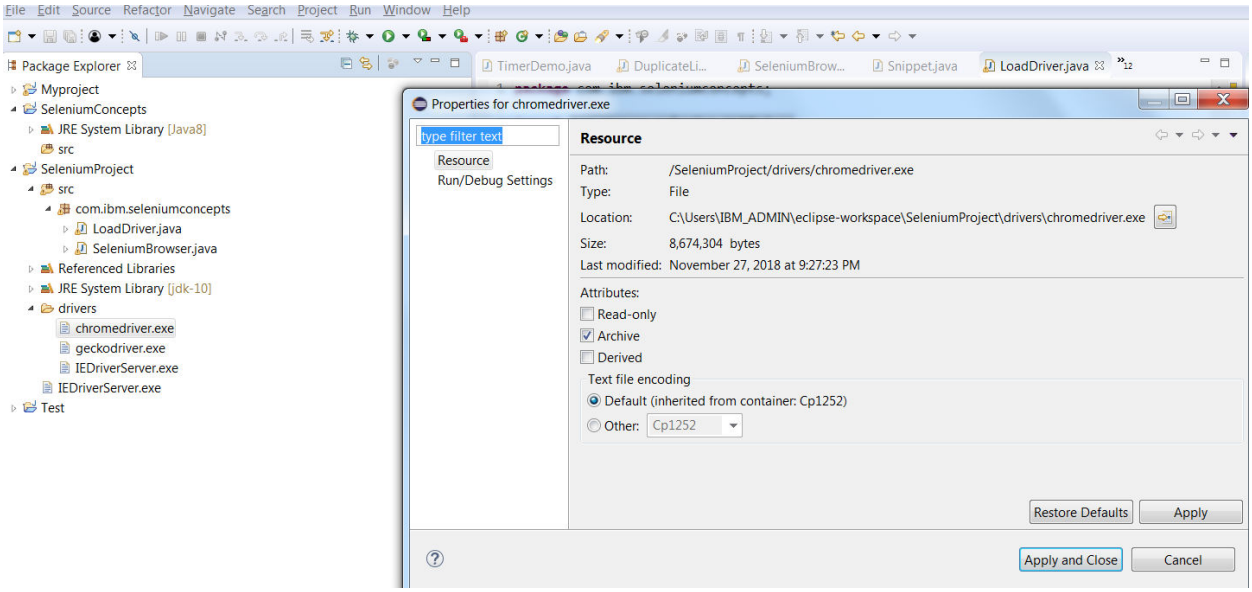
Exception for Chrome Driver:







After setting the path for Chrome Driver:


File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Myproject
SeleniumConcepts
JRE System Library [Java8]
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SeleniumProject
src
com.ibm.seleniumconcepts
LoadDriver.java
SeleniumBrowser.java
Referenced Libraries
JRE System Library [jdk-10]
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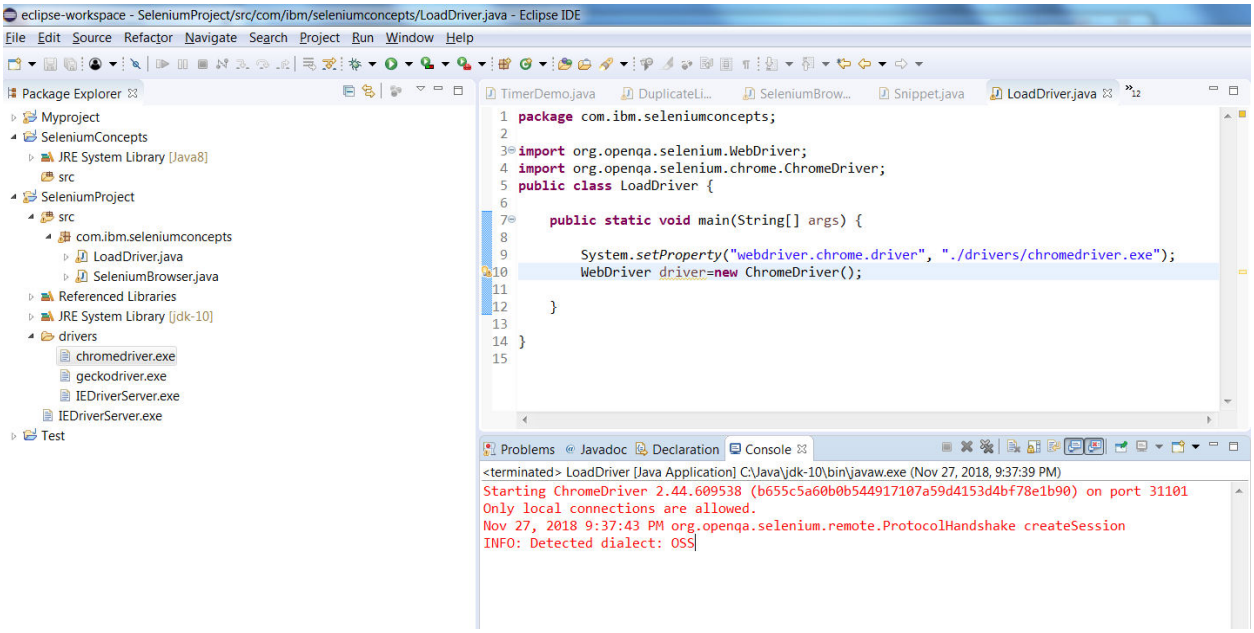
chromedriver.exe
geckodriver.exe
IEDriverServer.exe
IEDriverServer.exe
Test
TimerDemo.java
DuplicateLi...
SeleniumBrow...
Snippet.java
LoadDriver.java
Properties for chromedriver.exe
type filter text
Resource
Run/Debug Settings
Resource
Path: /SeleniumProject/drivers/chromedriver.exe
Type: File
Location: C:\Users\IBM_ADMIN\eclipse-workspace\SeleniumProject\drivers\chromedriver.exe
Size: 8,674,304 bytes
Last modified: November 27, 2018 at 9:27:23 PM
Attributes:
Read-only
Archive
Derived
Text file encoding
Default (inherited from container: Cp1252)
Other: Cp1252
Restore Defaults
Apply
Apply and Close
Cancel


eclipse-workspace - SeleniumProject/src/com/ibm/seleniumconcepts/LoadDriver.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
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SeleniumConcepts
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LoadDriver.java
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Referenced Libraries
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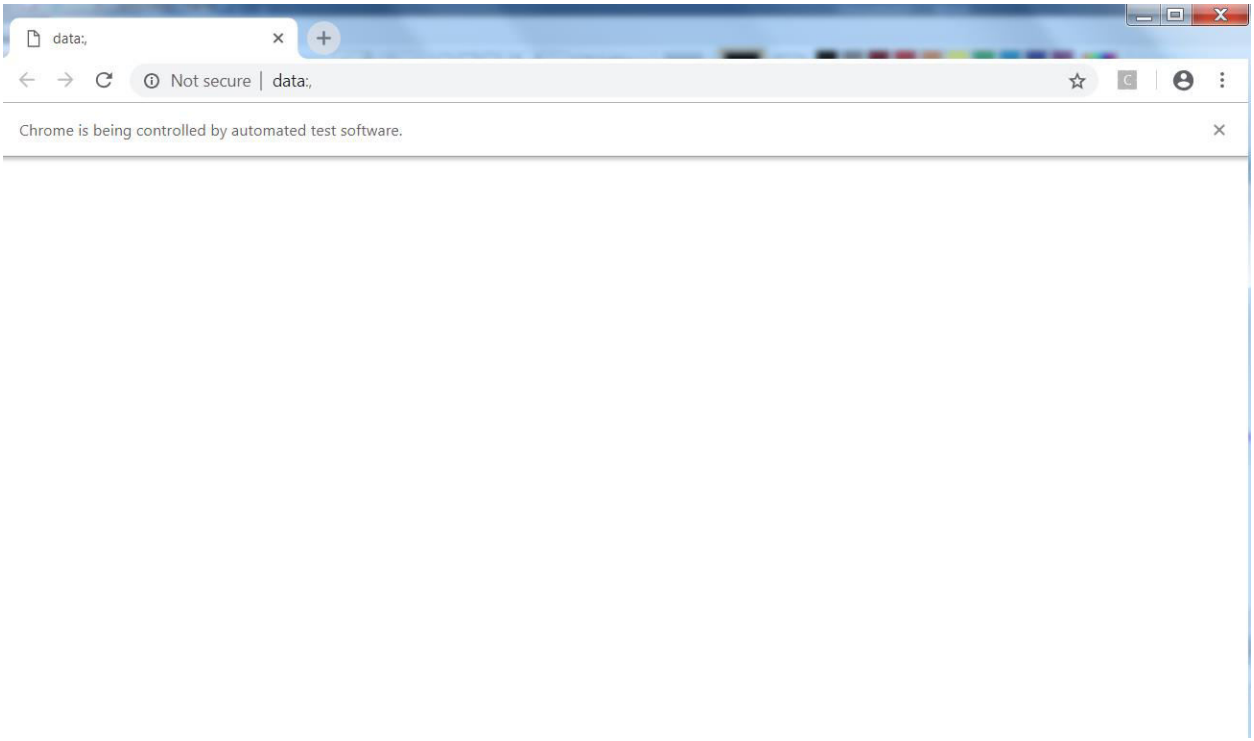
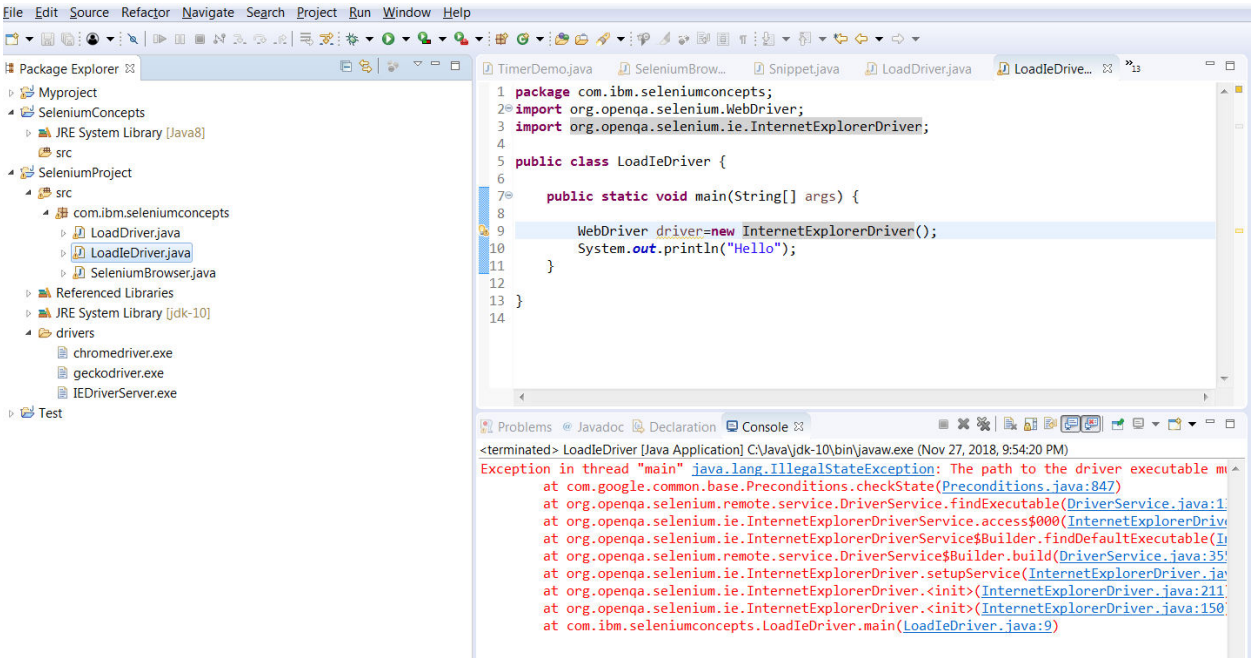
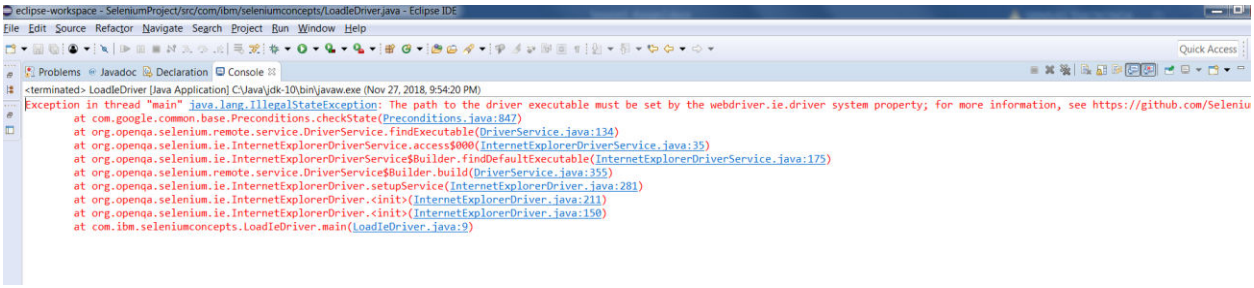
IEDriverServer.exe
IEDriverServer.exe
Test
TimerDemo.java
DuplicateLi...
SeleniumBrow...
Snippet.java
LoadDriver.java
1 package com.ibm.seleniumconcepts;
2
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.chrome.ChromeDriver;
5 public class LoadDriver {
6
7 public static void main(String[] args) {
8
9 System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
10 WebDriver driver=new ChromeDriver();
11
12 }
13
14 }
15
Problems Javadoc Declaration Console
<terminated> LoadDriver [Java Application] C:\Java\jdk-10\bin\javaw.exe (Nov 27, 2018, 9:37:39 PM)
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 31101
Only local connections are allowed.
Nov 27, 2018 9:37:43 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS

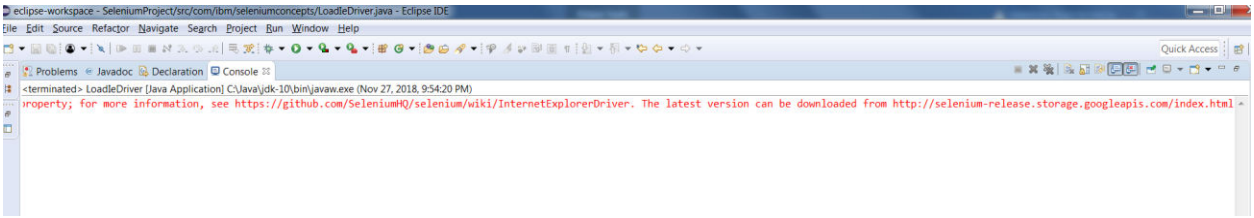
Chrome Browser launched as below:



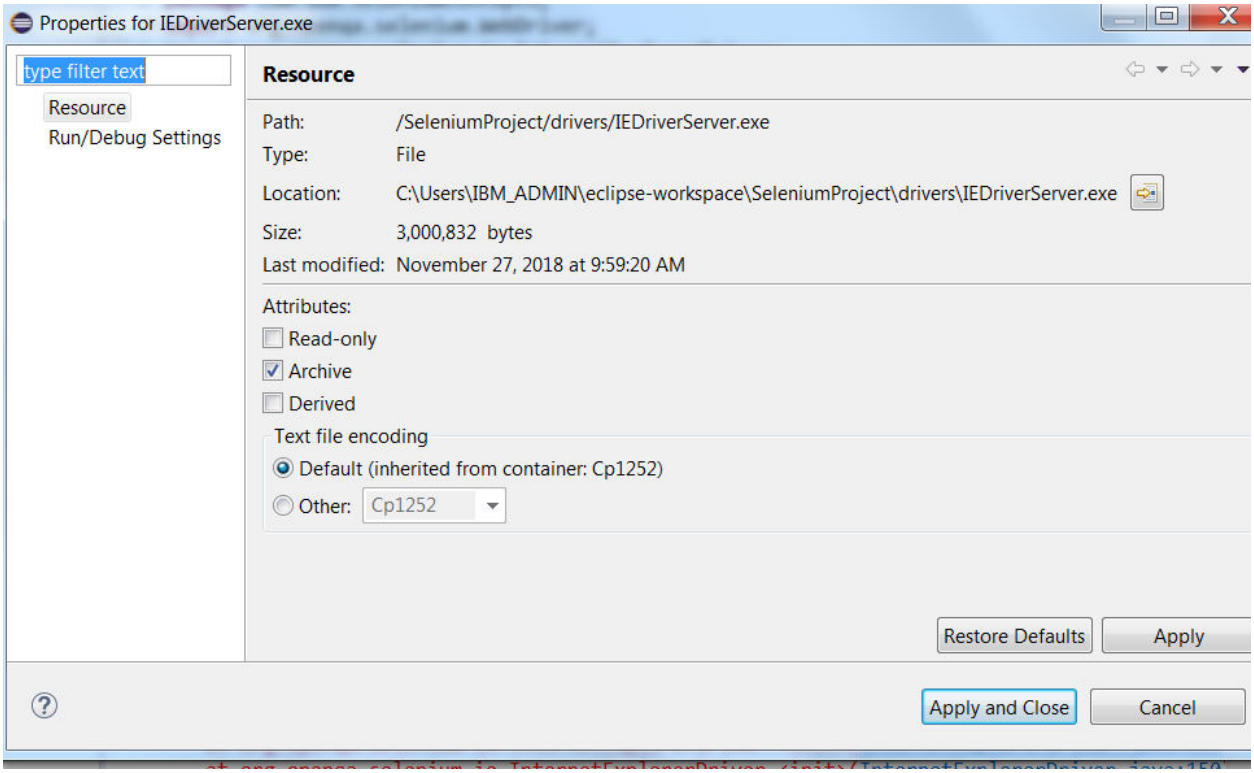
Exception for Internet Explorer Driver:

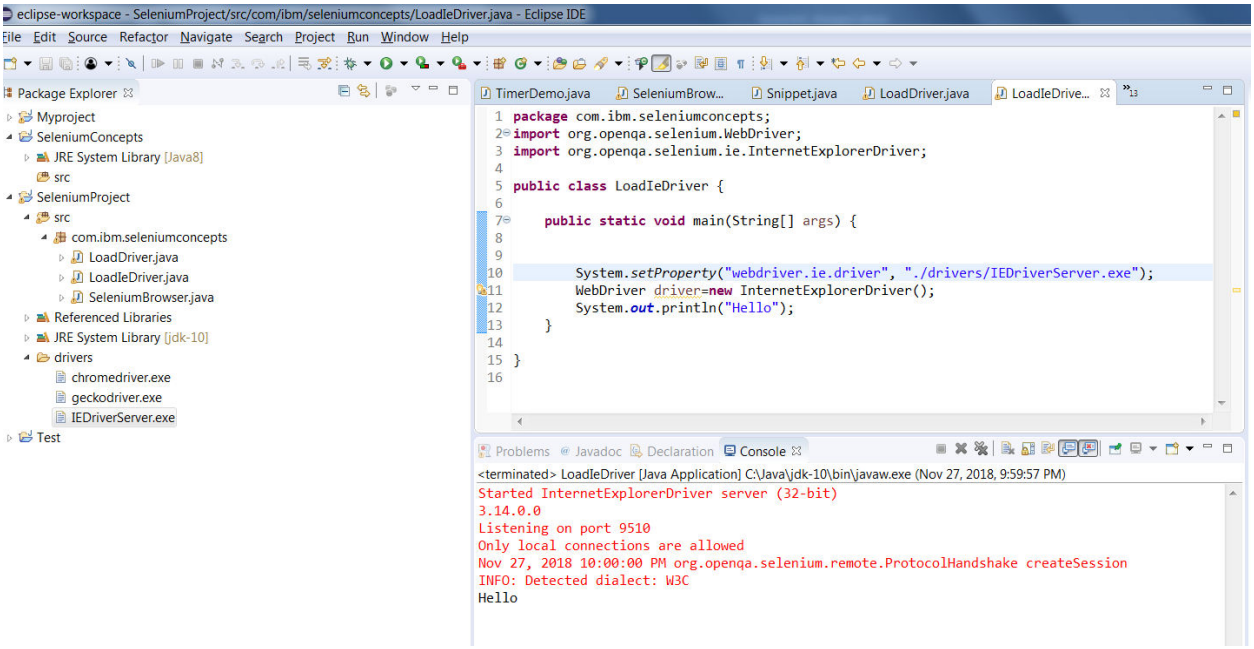




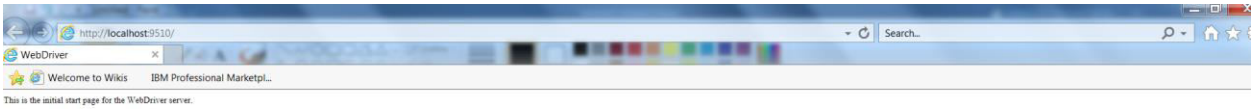


After setting the path for Internet Explorer Driver:





IE browser launched as below:



4.Flow Information

Initially the WebDriver object is created for chrome and Internet explorer with out setting the path for the chrome driver and IE driver. After running, an exception has occurred indicating that the path to driver executable must be set. Then the exe files are downloaded and placed in the drivers folder of Java project. Using the System.SetProperty , the absolute path is set for both of these driver exe files. Then after running the program the exception is not displayed and the browsers Chrome and Internet explorers are launched as per execution.