

Session5 Assignment1

Task for Assignment 1

- Please try to configure Chrome Browser and navigate to <https://www.jcpenney.com/>
- Search for shirts and add the first item in the search list to cart
- Move till checkout and you can stop when it ask for login.

Solution: Below is the selenium script on JAVA program. Also attached file "Assignment5A.java"

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the Java project structure with packages like com.ibm.seleniumconcepts and sub-packages src, SeleniumConcepts, and SeleniumConcepts2.
- Code Editor:** Displays the Java code for Assignment5A.java. The code imports various Selenium and Java utility classes, initializes a ChromeDriver, sets up a WebDriverWait, manages windows, and prints the page title and an alert message.
- Console:** Shows the terminal output of the Java application. It includes the Java command used, the detected dialect (OS), and the application's title and alert message.
- Output:** Shows the search results for shirts on the JC Penney website.

```
Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment5A.java - Eclipse
File Edit Source Refactor Navigate Project Run Window Help
Package Explorer
Assignment5A.java
package com.ibm.seleniumconcepts;
import java.util.List;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;
public class Assignment5A {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        WebDriverWait wait = new WebDriverWait(driver, 60);
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
        driver.get("https://www.jcpenney.com/");
        System.out.println("The title of the page: " + driver.getTitle());
        WebElement alertEle = driver.findElement(By.xpath("//a[@id='closeButton']"));
        alertEle.click();
        System.out.println("The alert message is closed...");
    }
}
Problems Javadoc Declaration Console
<terminated> Assignment5A [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 4, 2018, 12:21:57 AM)
INFO: Detected dialect: OSS
The title of the page: JCPenney: Window & Home Decor, Bedding, Appliances & Clothing
The alert message is closed...
The title of the page: JC Penney
The search result for shirts is displayed...
The title of the page: Stafford Travel Easy-Care Stretch Broadcloth Long Sleeve Broadcloth Dress Shirt - JC Penney
The title of the page: JC Penney | Login
The sign in page is displayed...
End of program!!!
```

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with packages like com.ibm.seleniumconcepts and sub-directories src, SeleniumConcepts, and SeleniumConcepts1.
- Assignment5A.java:** The code is as follows:


```
System.out.println("The alert message is closed...");  
WebElement searchtextEle= driver.findElement(By.xpath("//input[@id='searchTerm']"));  
searchtextEle.sendKeys("shirts");  
Thread.sleep(1000);  
  
WebElement searchEle= driver.findElement(By.xpath("//button[@class='btn_searchForm']"));  
searchEle.click();  
  
System.out.println("The title of the page: " +driver.getTitle());  
System.out.println("The search result for shirts is displayed...");  
  
WebElement searchresultEle= driver.findElement(By.xpath("//img[@class='productDisplay_image--default']"));  
searchresultEle.click();  
  
WebElement sizeddEle= driver.findElement(By.xpath("//select[@id='SIZE']"));  
sizeddEle.click();  
  
Select select = new Select(sizeddEle);  
select.selectByVisibleText("18 / 36-37");  
  
WebElement colorEle= driver.findElement(By.xpath("//img[@title='Blooming Blue']"));  
colorEle.click();  
  
WebElement addtobagEle= driver.findElement(By.xpath("//button[@name='add to bag']"));  
addtobagEle.click();  
Thread.sleep(5000);  
System.out.println("The title of the page: " +driver.getTitle());
```
- Task List:** Shows a task titled "Connect Mylyn" with instructions to connect to tasks and ALM tools.
- Outline:** Shows the class structure with Assignment5A and main(String[]).
- Problems:** Shows no errors or warnings.
- Console:** Displays the execution output:


```
<terminated> Assignment5A [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 4, 2018, 12:21:57 AM)  
INFO: Detected dialect: OSS  
The title of the page: JCPenney: Window & Home Decor, Bedding, Appliances & Clothing  
The alert message is closed...  
The title of the page: JCPenney  
The search result for shirts is displayed...  
The title of the page: Stafford Travel Easy-Care Stretch Broadcloth Long Sleeve Broadcloth Dress Shirt - JCPenney  
The title of the page: JCPenney | Login  
The sign in page is displayed...  
End of program!!!
```

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer:** Shows the project structure with packages like com.ibm.seleniumconcepts and sub-directories src, SeleniumConcepts, and SeleniumConcepts1.
- Assignment5A.java:** The code is as follows:

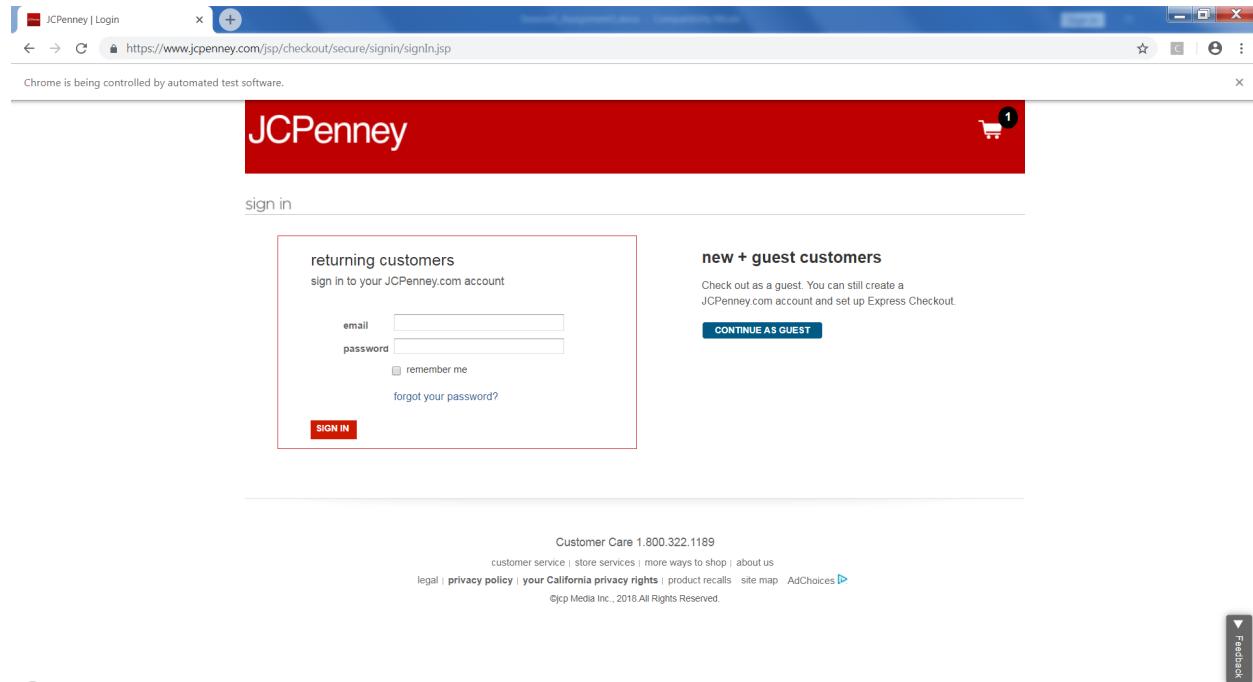

```
searchresultEle.click();  
  
WebElement sizeddEle= driver.findElement(By.xpath("//select[@id='SIZE']"));  
sizeddEle.click();  
  
Select select = new Select(sizeddEle);  
select.selectByVisibleText("18 / 36-37");  
  
WebElement colorEle= driver.findElement(By.xpath("//img[@title='Blooming Blue']"));  
colorEle.click();  
  
WebElement addtobagEle= driver.findElement(By.xpath("//button[@name='add to bag']"));  
addtobagEle.click();  
Thread.sleep(5000);  
System.out.println("The title of the page: " +driver.getTitle());  
  
WebElement checkoutEle= driver.findElement(By.xpath("//input[@id='btncheckout']"));  
checkoutEle.click();  
  
WebElement checkoutEle= driver.findElement(By.xpath("//input[@id='Checkout']"));  
checkoutEle.click();  
  
System.out.println("The title of the page: " +driver.getTitle());  
System.out.println("The sign in page is displayed...");  
System.out.println("End of program!!!");
```
- Task List:** Shows a task titled "Connect Mylyn" with instructions to connect to tasks and ALM tools.
- Outline:** Shows the class structure with Assignment5A and main(String[]).
- Problems:** Shows no errors or warnings.
- Console:** Displays the execution output:


```
<terminated> Assignment5A [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 4, 2018, 12:21:57 AM)  
INFO: Detected dialect: OSS  
The title of the page: JCPenney: Window & Home Decor, Bedding, Appliances & Clothing  
The alert message is closed...  
The title of the page: JCPenney  
The search result for shirts is displayed...  
The title of the page: Stafford Travel Easy-Care Stretch Broadcloth Long Sleeve Broadcloth Dress Shirt - JCPenney  
The title of the page: JCPenney | Login  
The sign in page is displayed...  
End of program!!!
```

Output of the console:

```
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port
19532
Only local connections are allowed.
Dec 04, 2018 12:22:00 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
The title of the page: JCPenney: Window & Home Decor, Bedding, Appliances & Clothing
The alert message is closed...
```

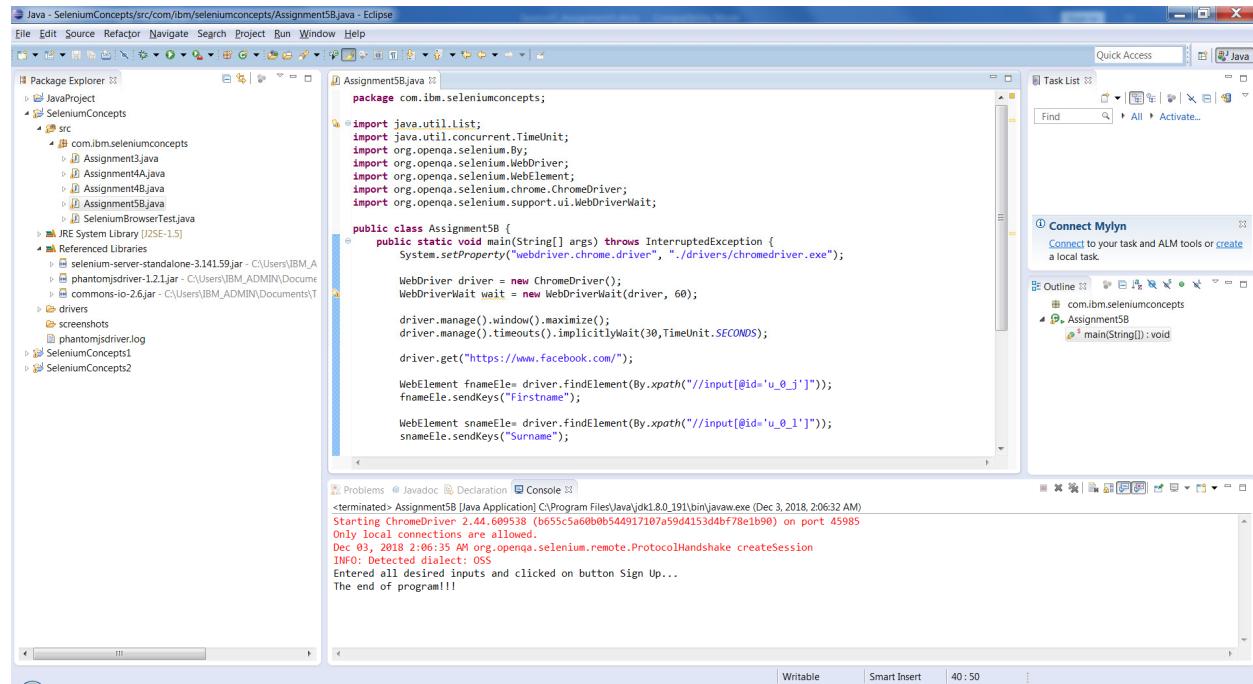
The title of the page: JCPenney
The search result for shirts is displayed...
The title of the page: Stafford Travel Easy-Care Stretch Broadcloth Long Sleeve
Broadcloth Dress Shirt - JCPenney
The title of the page: JCPenney | Login
The sign in page is displayed...
End of program!!!



Task for Assignment 2

- Please launch <https://www.facebook.com/>
- Write xpath for FirstName, SurName, Mobile Number, New Password, Sign Up

Solution: Below is the selenium script on JAVA program. Also attached file "Assignment5B.java"



```

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment5B.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Assignment5B.java Task List
SeleniumConcepts
  src
    com.ibm.seleniumconcepts
      Assignment3.java
      Assignment4.java
      Assignment5B.java
      Assignment5B.java
      SeleniumBrowserTest.java
JRE System Library [JSE-1.5]
Referenced Libraries
  selenium-server-standalone-3.141.59.jar - C:\Users\IBM_A...
  phantomjsdriver-1.2.1.jar - C:\Users\IBM_ADMIN\Docume...
  commons-io-2.6.jar - C:\Users\IBM_ADMIN\Documents\T...
  drivers
  screenshots
  phantomjsdriver.log
SeleniumConcepts1
SeleniumConcepts2
Assignment5B.java
package com.ibm.seleniumconcepts;

import java.util.List;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.WebDriverWait;

public class Assignment5B {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");

        WebDriver driver = new ChromeDriver();
        WebDriverWait wait = new WebDriverWait(driver, 60);

        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

        driver.get("https://www.facebook.com/");

        WebElement fnameEle= driver.findElement(By.xpath("//input[@id='u_0_j']"));
        fnameEle.sendKeys("Firstname");

        WebElement snameEle= driver.findElement(By.xpath("//input[@id='u_0_l']"));
        snameEle.sendKeys("Surname");
    }
}

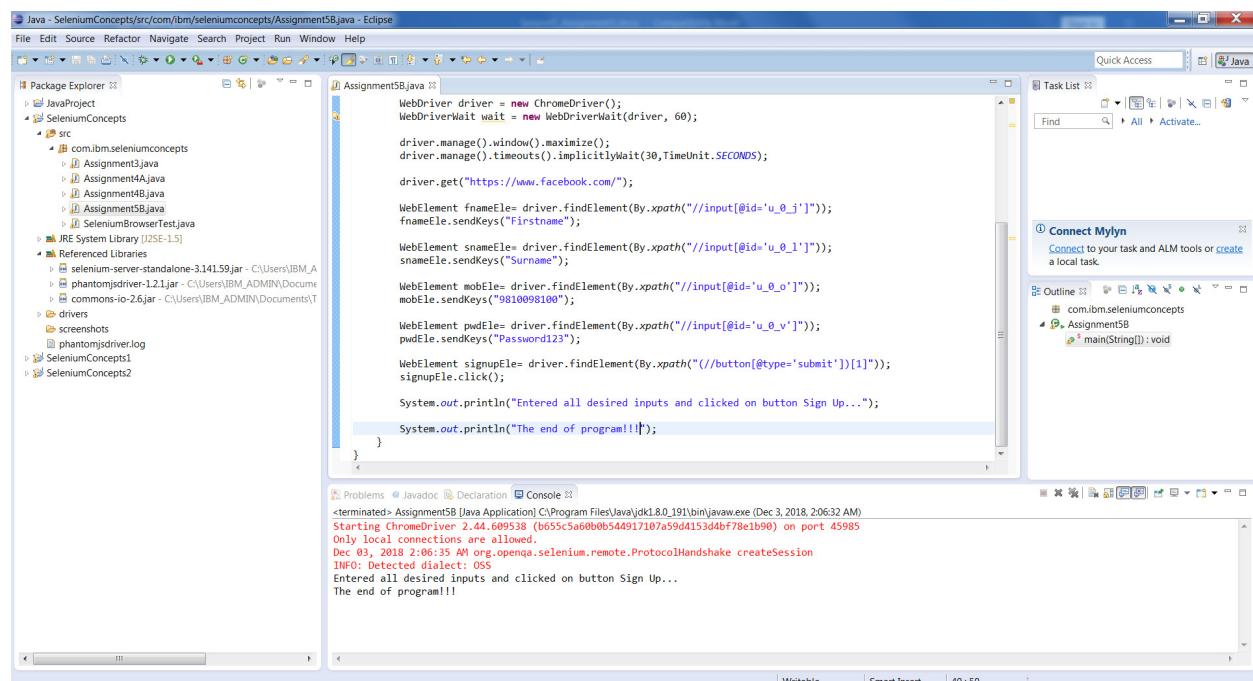
```

Console

```

<terminated> Assignment5B [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 3, 2018, 2:06:32 AM)
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 45985
Only local connections are allowed.
Dec 03, 2018 2:06:35 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Entered all desired Inputs and clicked on button Sign Up...
The end of program!!!

```



```

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment5B.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Assignment5B.java Task List
SeleniumConcepts
  src
    com.ibm.seleniumconcepts
      Assignment3.java
      Assignment4.java
      Assignment5B.java
      Assignment5B.java
      SeleniumBrowserTest.java
JRE System Library [JSE-1.5]
Referenced Libraries
  selenium-server-standalone-3.141.59.jar - C:\Users\IBM_A...
  phantomjsdriver-1.2.1.jar - C:\Users\IBM_ADMIN\Docume...
  commons-io-2.6.jar - C:\Users\IBM_ADMIN\Documents\T...
  drivers
  screenshots
  phantomjsdriver.log
SeleniumConcepts1
SeleniumConcepts2
Assignment5B.java
package com.ibm.seleniumconcepts;

WebDriver driver = new ChromeDriver();
WebDriverWait wait = new WebDriverWait(driver, 60);

driver.manage().window().maximize();
driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

driver.get("https://www.facebook.com/");

WebElement fnameEle= driver.findElement(By.xpath("//input[@id='u_0_j']"));
fnameEle.sendKeys("Firstname");

WebElement snameEle= driver.findElement(By.xpath("//input[@id='u_0_l']"));
snameEle.sendKeys("Surname");

WebElement mobEle= driver.findElement(By.xpath("//input[@id='u_0_o']"));
mobEle.sendKeys("9810098100");

WebElement pwdEle= driver.findElement(By.xpath("//input[@id='u_0_v']"));
pwdEle.sendKeys("password123");

WebElement signupEle= driver.findElement(By.xpath("//button[@type='submit'][1]"));
signupEle.click();

System.out.println("Entered all desired inputs and clicked on button Sign Up...");
System.out.println("The end of program!!!");
}

```

Console

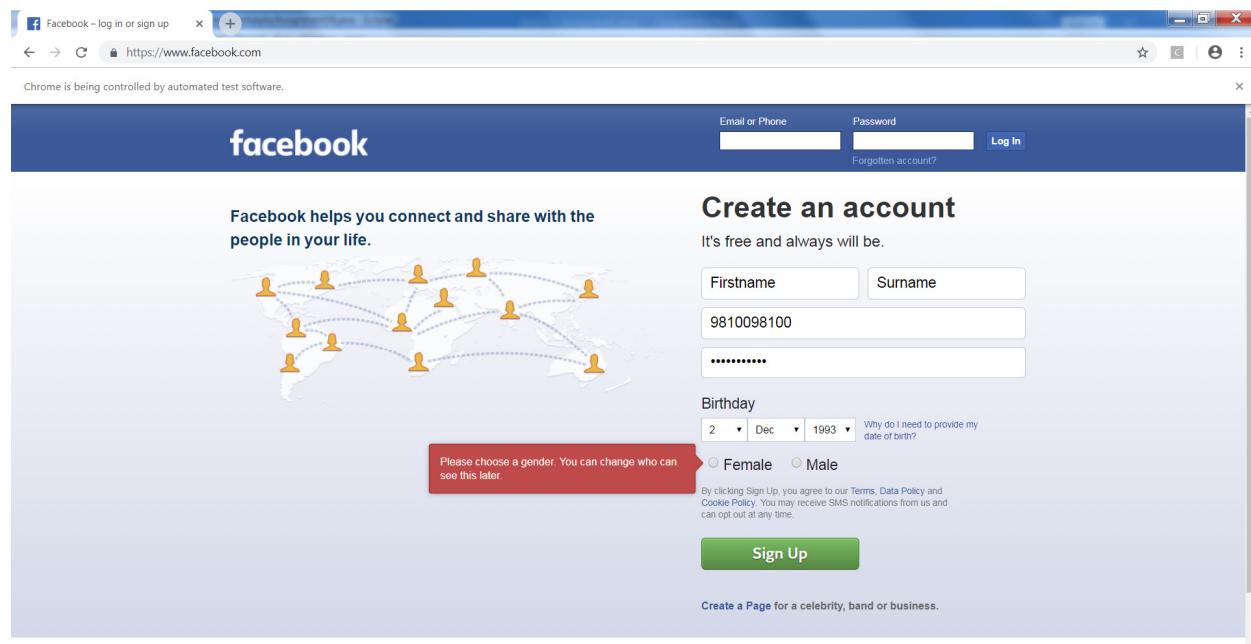
```

<terminated> Assignment5B [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 3, 2018, 2:06:32 AM)
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 45985
Only local connections are allowed.
Dec 03, 2018 2:06:35 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Entered all desired inputs and clicked on button Sign Up...
The end of program!!!

```

Output of Console

```
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port
45985
Only local connections are allowed.
Dec 03, 2018 2:06:35 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
Entered all desired inputs and clicked on button Sign Up...
The end of program!!!
```

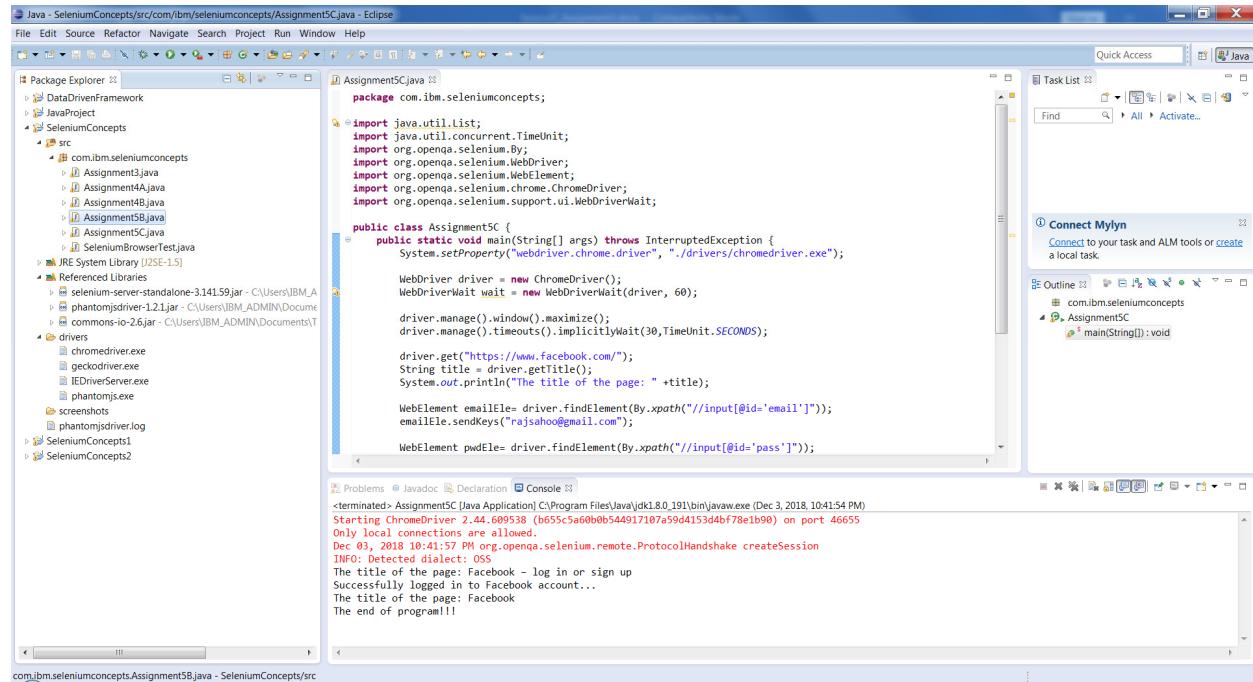


English (UK) कृत जर मराठी भेलार हिन्दी तमिळ मलयालम चाला शुभ्यती पंजाबी +

Task for Assignment 3

- Please launch <https://www.facebook.com/>
- Enter Email and Password and click on Login

Solution: Below is the selenium script on JAVA program. Also attaching the file "Assignment5B.java".



```

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment5C.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Task List Outline Problems Javadoc Declaration Console
Assignment5C.java
package com.ibm.seleniumconcepts;
import java.util.List;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.WebDriverWait;

public class Assignment5C {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");

        WebDriver driver = new ChromeDriver();
        WebDriverWait wait = new WebDriverWait(driver, 60);

        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

        driver.get("https://www.facebook.com/");
        String title = driver.getTitle();
        System.out.println("The title of the page: " + title);

        WebElement emailEle= driver.findElement(By.xpath("//input[@id='email']"));
        emailEle.sendKeys("rajsahoo@gmail.com");

        WebElement pwdEle= driver.findElement(By.xpath("//input[@id='pass']"));

        WebElement loginEle= driver.findElement(By.xpath("//input[@id='u_0_2']"));
        loginEle.click();

        System.out.println("Successfully logged in to Facebook account...");
        String title1 = driver.getTitle();
        System.out.println("The title of the page: " + title1);
        System.out.println("The end of program!!!");
    }
}

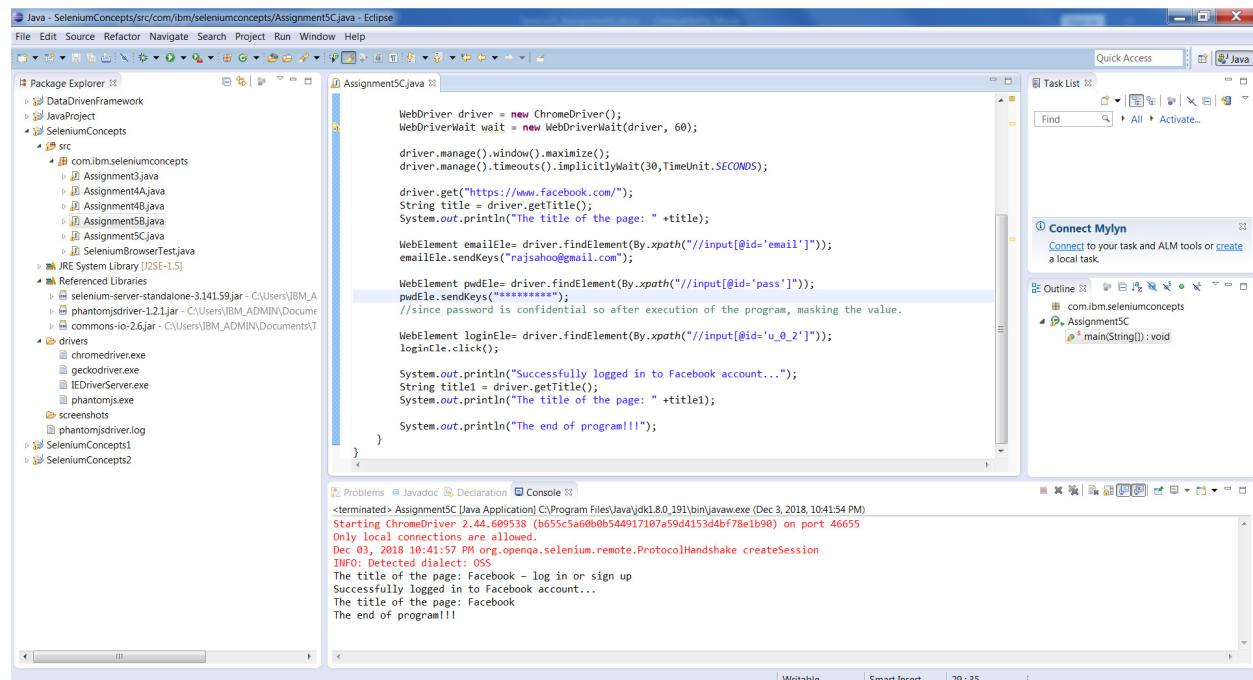
```

Console output:

```

<terminated> Assignment5C [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 3, 2018, 10:41:54 PM)
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 46655
Only local connections are allowed.
Dec 03, 2018 10:41:57 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
The title of the page: Facebook - log in or sign up
Successfully logged in to Facebook account...
The title of the page: Facebook
The end of program!!!

```



```

Java - SeleniumConcepts/src/com/ibm/seleniumconcepts/Assignment5C.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer Task List Outline Problems Javadoc Declaration Console
Assignment5C.java
package com.ibm.seleniumconcepts;
import java.util.List;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.WebDriverWait;

public class Assignment5C {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");

        WebDriver driver = new ChromeDriver();
        WebDriverWait wait = new WebDriverWait(driver, 60);

        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

        driver.get("https://www.facebook.com/");
        String title = driver.getTitle();
        System.out.println("The title of the page: " + title);

        WebElement emailEle= driver.findElement(By.xpath("//input[@id='email']"));
        emailEle.sendKeys("rajsahoo@gmail.com");

        WebElement pwdEle= driver.findElement(By.xpath("//input[@id='pass']"));
        pwdEle.sendKeys("*****");
        //since password is confidential so after execution of the program, masking the value.

        WebElement loginEle= driver.findElement(By.xpath("//input[@id='u_0_2']"));
        loginEle.click();

        System.out.println("Successfully logged in to Facebook account...");
        String title1 = driver.getTitle();
        System.out.println("The title of the page: " + title1);
        System.out.println("The end of program!!!");
    }
}

```

Console output:

```

<terminated> Assignment5C [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 3, 2018, 10:41:54 PM)
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 46655
Only local connections are allowed.
Dec 03, 2018 10:41:57 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
The title of the page: Facebook - log in or sign up
Successfully logged in to Facebook account...
The title of the page: Facebook
The end of program!!!

```

Output on Console:

Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 46655

Only local connections are allowed.

Dec 03, 2018 10:41:57 PM org.openqa.selenium.remote.ProtocolHandshake createSession

INFO: Detected dialect: OSS

The title of the page: Facebook – log in or sign up

Successfully logged in to Facebook account...

The title of the page: Facebook

The end of program!!!

