Session -4

Assignment

1.Please try to configure Chrome Browser and navigate to 'Https://datatables.net/' . Click on the name which expands and gives you the salary details from table. Similarly get all details from the table and calculate the total salary of all the employee and provide the result.

Program code:

```java
package com.ibm.LaunchBrowsers;

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;
public class LaunchBrowser {
        public static void main(String[] args) throws InterruptedException {

        System.setProperty("webdriver.chrome.driver","./driver/chromedriver.exe");
                WebDriver driver=new ChromeDriver();
                driver.manage().window().maximize();
            driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
            driver.navigate().to("https://datatables.net/");
            //To get row count of table

List<WebElement>Rows=driver.findElements(By.xpath("//table[@id='example']/tbody/tr"))
;
        int noofrows=Rows.size();
        //To get column count
        List<WebElement>
Columns=driver.findElements(By.xpath("//table[@id='example']/tbody/tr[1]/td"));
        int Colcount = Columns.size();
        System.out.println("The Number of row:" +noofrows);
        System.out.println("The Number of column:" +Colcount);
        int total=0;//Initiated for doing total with salary get
        for(int i=1; i<=noofrows;i++)//iteration loop to get current name and move to
the next name
        {
        WebElement
Name=driver.findElement(By.xpath("//table[@id='example']/tbody/tr["+i+"]/td[1]"));//T
o give the first name in table and get increased one by one
        Name.click();//Click will happen on the first name and expand
        WebElement
Salary=driver.findElement(By.xpath("//table[@id='example']/tbody/tr["+(i+1)+"]/td[1]"
));//to click on the salary under name
        String
salary=Salary.getText().trim().replace("Salary","").replace("$","").replace(",","");/
/to remove the  $ and salary from the value
        System.out.println("The Salary is:" +salary);
        Name.click();//To reclick on the name opened and close it
```
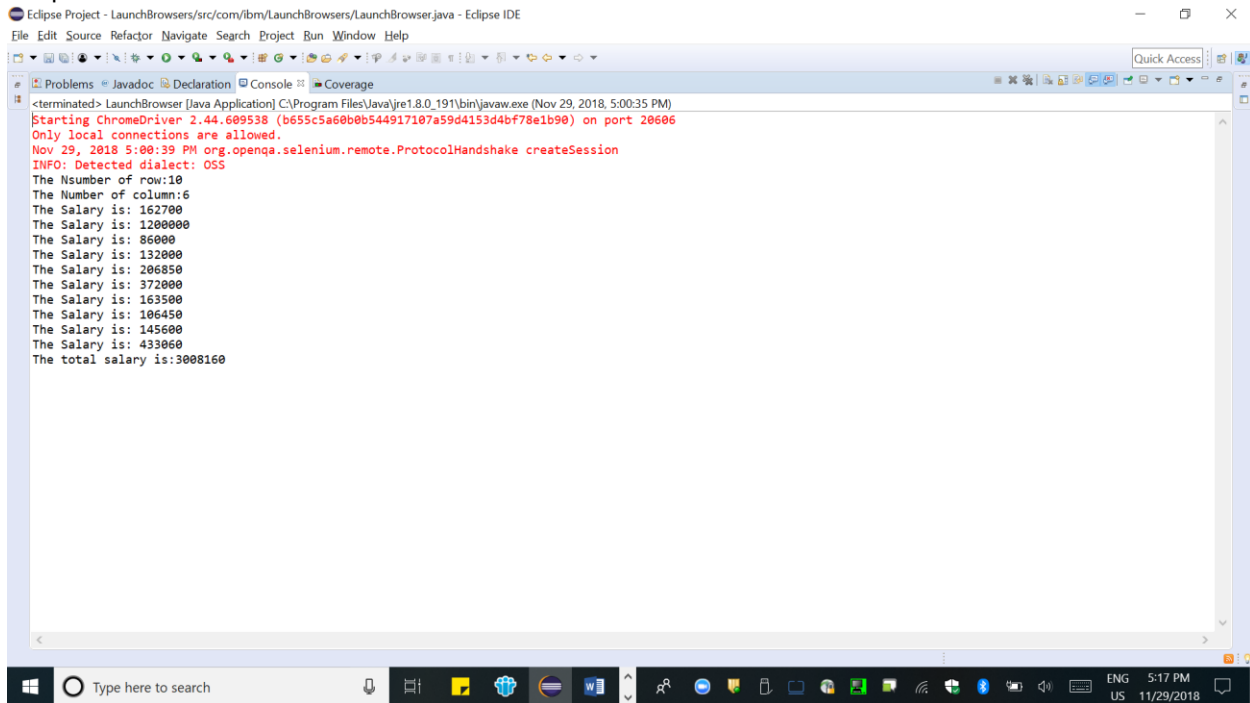
```java
            total = total+Integer.parseInt(salary.trim());//to get total
        }
        System.out.println("The total salary is:" +total);


    }
}
```

Output from Webdriver:

2.Please try to configure Chrome Browser and navigate to 'https://amazon.in', Search for laptop, Print the total number of links on the page, also print the link and link text of page

Program Code:

Program Output from Webdriver:

```java
package com.ibm.LaunchBrowsers;

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;
public class LaunchBrowser {
        public static void main(String[] args) {

        System.setProperty("webdriver.chrome.driver","./driver/chromedriver.exe");
                WebDriver driver=new ChromeDriver();
```

```java
        driver.manage().window().maximize();
    driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
    driver.navigate().to("https:www.amazon.in");
    WebElement Search= driver.findElement(By.id("twotabsearchtextbox"));
    Search.sendKeys("Laptop");
    //WebElement touch=driver.findElement(By.xpath("//input[@type='submit']"));
    //touch.click();
    List<WebElement> Anchortag = driver.findElements(By.tagName("a"));
    System.out.println("The no.of anchor tag is:" +Anchortag.size());
    List<WebElement> linktag = driver.findElements(By.tagName("link"));
    System.out.println("The no.of link tag is:" +linktag.size());
    List<WebElement> imagetag = driver.findElements(By.tagName("img"));
    System.out.println("The no.of image tag is:" +imagetag.size());
    for (WebElement link : linktag ) {
        System.out.println("The link is:" +link.getAttribute("href"));
        System.out.println(link.getText());
    }

}
}
```

Eclipse Project - LaunchBrowsers/src/com/ibm/LaunchBrowsers/LaunchBrowser.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Quick Access

Problems Javadoc Declaration Console Coverage

<terminated> LaunchBrowser [Java Application] C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (Nov 29, 2018, 7:16:33 PM)

```
Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 35658
Only local connections are allowed.
Nov 29, 2018 7:16:38 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
The no.of anchor tag is:170
The no.of link tag is:7
The no.of image tag is:73
The link is:https://images-eu.ssl-images-amazon.com/

The link is:https://m.media-amazon.com/

The link is:https://completion.amazon.com/

The link is:https://images-eu.ssl-images-amazon.com/images/I/61e0zver2nL._RC%7C01evdoiemkL.css,01K+Ps1DeEL.css,31bAdTWQ3tL.css,11NK7V6nvxL.css,11UGC+GXOPL.css,21LK7j

The link is:https://images-eu.ssl-images-amazon.com/images/I/71TA9kCIyML._RC%7C11qlbytjBCL.css,31FSCR+qXXL.css,21Wyw4UJQLL.css,31Jg45b6O1L.css,11S8GiSgx9L.css,31OvHRl

The link is:https://images-eu.ssl-images-amazon.com/images/I/41wKJJ-UsWL.css?AUIClients/AmazonGatewayAuiAssets#132178-T3

The link is:https://www.amazon.in/
```