ASSIGNMENT 4

Task1:

- Please try to configure Chrome Browser and navigate to https://datatables.net/

- Click on the name (Eg: Airi Satou) which expands and gives you the salary details from the table

- Similarly get salary details from the table and calculate the total salary of all the employees and provide the result

Solution:

```java
package com.ibm.seleniumassignments;

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 GetTotalSalary {
    public static void main(String[] args){
        //About the program
        System.out.println("This program will find out the total salary of all the employees in the page");
        //Set property for chrome driver
        System.setProperty("webdriver.chrome.driver", "./chromedriver.exe");
        WebDriver chrdriver=new ChromeDriver();
        //Explicit Wait
        WebDriverWait wait=new WebDriverWait(chrdriver, 60);
        //To maximize the window
        chrdriver.manage().window().maximize();
        //Implicit Wait
        chrdriver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);
        //Launch page
        chrdriver.get("https://datatables.net/");
        String url=chrdriver.getCurrentUrl();
        System.out.println("Application URL: "+url);
        String title=chrdriver.getTitle();
        System.out.println("Initial Page Title: "+title);
        //To get the no.of rows in the table of a loaded page
        List<WebElement> rowCount=
chrdriver.findElements(By.xpath("//table[@id='example']/tbody/tr"));
        int noOfRows=rowCount.size();
        System.out.println("No.of rows in the current table: "+noOfRows);
        int totalSalary=0;
        for(int i=1;i<=(noOfRows*2);i++)
        {
            //To position the 'i'th row and first column of the table
```
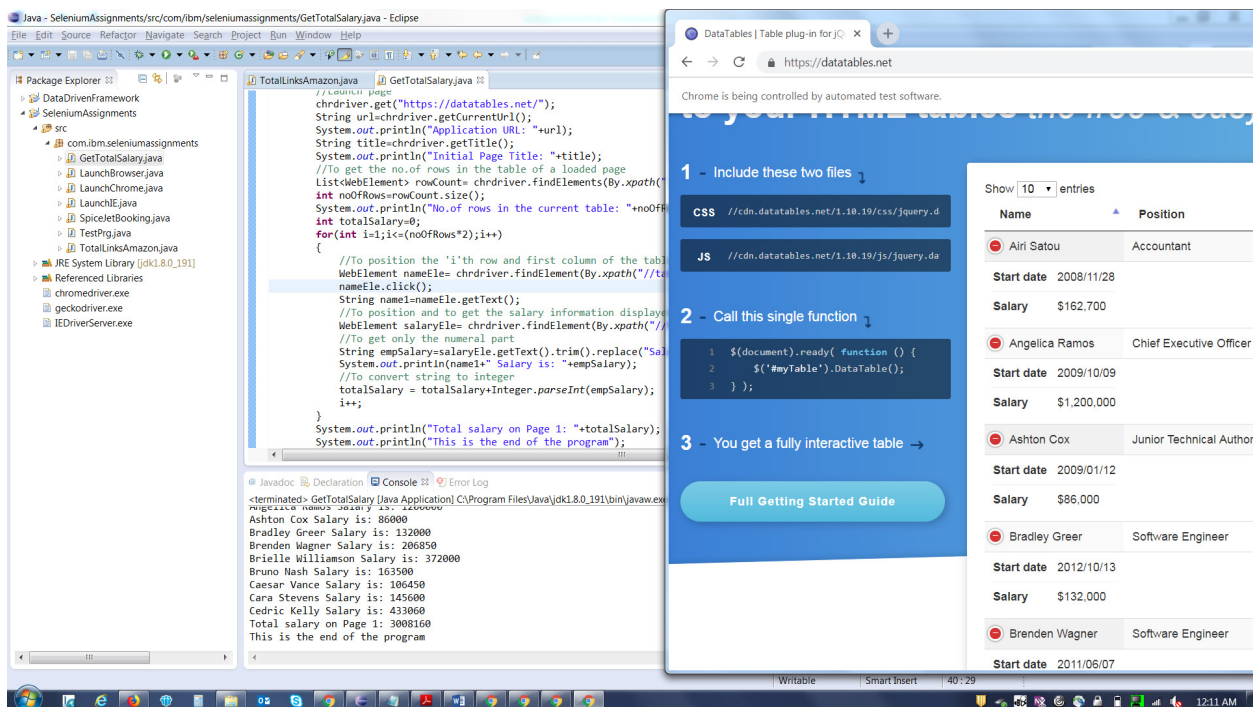
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```java
                    WebElement nameEle=
chrdriver.findElement(By.xpath("//table[@id='example']/tbody/tr["+i+"]/td[1]"));
                    nameEle.click();
                    String name1=nameEle.getText();
                    //To position and to get the salary information displayed below
the name
                    WebElement salaryEle=
chrdriver.findElement(By.xpath("//table[@id='example']/tbody/tr["+(i+1)+"]/td[1]"));
                    //To get only the numeral part
                    String
empSalary=salaryEle.getText().trim().replace("Salary","").replace("
","").replace("$","").replace(",","");
                    System.out.println(name1+" Salary is: "+empSalary);
                    //To convert string to integer
                    totalSalary = totalSalary+Integer.parseInt(empSalary);
                    i++;
            }
        System.out.println("Total salary on Page 1: "+totalSalary);
        System.out.println("This is the end of the program");
        }

}
```

Result flow & Screen shot:

ASSIGNMENT 4

Task2:

- Please try to configure Chrome Browser and navigate to https:///www.amazon.in/

- Search for Laptops

- Print the total number of links on the page. Also print the link and link text of the page

Solution:

```java
package com.ibm.seleniumassignments;

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 TotalLinksAmazon {
    public static void main(String[] args){
        //About the program
        System.out.println("This program will find out the total number of link
under Laptops from Amazon");
        //Set property for chrome driver
        System.setProperty("webdriver.chrome.driver", "./chromedriver.exe");
        WebDriver chrdriver=new ChromeDriver();
        //Explicit Wait
        WebDriverWait wait=new WebDriverWait(chrdriver, 60);
        //To maximize the window
        chrdriver.manage().window().maximize();
        //Implicit Wait
        chrdriver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);
        //Launch page
        chrdriver.get("https://www.amazon.in/");
        String url=chrdriver.getCurrentUrl();
        System.out.println("Application URL: "+url);
        String title=chrdriver.getTitle();
        System.out.println("Initial Page Title: "+title);
        //To find the search box
        WebElement searchEle=
chrdriver.findElement(By.xpath("//input[@id='twotabsearchtextbox']"));
        searchEle.click();
        //To enter 'Laptop' text in search box
        searchEle.sendKeys("Laptops");
        //To find and click the search icon
        WebElement submitEle=
chrdriver.findElement(By.xpath("//input[@value='Go']"));
        submitEle.click();
        //To find the no.of links in the loaded search result page
```

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```java
        List<WebElement> linksEle=chrdriver.findElements(By.tagName("a"));
        int noOfLinks=linksEle.size();
        System.out.println("No.of links in the loaded search result page is:
"+noOfLinks);
        //To print the links
        for(int i=0;i<noOfLinks;i++)
        {
            WebElement linkEle= linksEle.get(i);
            String link=linkEle.getAttribute("href");
            System.out.println(link);
            String text= linkEle.getText();
            System.out.println(text);
        }
        System.out.println("This is the end of the program");
    }

}
```

Result flow and Screen shot: