

3. Problem Statement

Assignment 4.1

Task

- 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 all the salary details from the table and calculate the total salary of all the employee and provide the result.

Solution

```
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.firefox.FirefoxDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class SeleniumBrowser
{

    public static void main(String[] args) throws InterruptedException
    {
        System.setProperty("webdriver.chrome.driver", "./Drivers/chromedriver.exe");
        System.setProperty("webdriver.gecko.driver", "./Drivers/geckodriver.exe");
        System.setProperty("webdriver.ie.driver", "./Drivers/IEDriverServer.exe");
        WebDriver driver= new FirefoxDriver();

        driver.get("https://datatables.net/");

        List<WebElement> rows=
        driver.findElements(By.xpath("//table[@id='example']/tbody/tr"));
        int noOfRows=rows.size();

        System.out.println(noOfRows);

        int tot_sal=0 ;
        {
            for (int i=1; i<=noOfRows; i++)
```

```

{

WebElement expand=
driver.findElement(By.xpath("//table[@id='example']/tbody/tr["+i+"]/td[1]"));
expand.click();
Thread.sleep(5000);
WebElement Sal=
driver.findElement(By.xpath("//table[@id='example']/tbody/tr["+i+1+"]/td/descendant
::span[2]"));
String sal1= Sal.getText();
System.out.println("Original salary of the employee " + sal1);
String salary= sal1.trim().replace("$", "").replace(", ", "");
tot_sal= tot_sal + Integer.parseInt(salary);

System.out.println("toatal salary on each addition "+ tot_sal);

WebElement expand1=
driver.findElement(By.xpath("//table[@id='example']/tbody/tr["+i+"]/td[1]"));
expand1.click();
}
System.out.println("total salary on 1st page "+ tot_sal);

}
}
}

```

Assignment 4.2

Task

- 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

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

- Search for Laptops.

```
package com.ibm.seleniumconcepts;
```

```
import java.util.List;
import java.util.Set;
import java.util.concurrent.TimeUnit;
```

```

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.Point;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.FluentWait;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.Wait;
import org.openqa.selenium.support.ui.WebDriverWait;

public class SeleniumBrowser
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    public static void main(String[] args) throws InterruptedException
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        System.setProperty("webdriver.chrome.driver", "./Drivers/chromedriver.exe");
        System.setProperty("webdriver.gecko.driver", "./Drivers/geckodriver.exe");
        System.setProperty("webdriver.ie.driver", "./Drivers/IEDriverServer.exe");
        WebDriver driver= new FirefoxDriver();
        WebDriverWait wait=new WebDriverWait(driver,60);
        driver.get("https://www.amazon.in/");

        WebElement shopBylink= driver.findElement(By.xpath("//span[text()='Shop by']"));
        WebElement
        computersMobileslinks=driver.findElement(By.xpath("//span[text()='Mobiles, Computers']")[1]));
        WebElement Laptopslink= driver.findElement(By.xpath("//span[text()='Laptops']"));
        Actions actions=new Actions(driver);

        actions.moveToElement(shopBylink).build().perform();
        Thread.sleep(2000);

        wait.until(ExpectedConditions.visibilityOf(computersMobileslinks));
        actions.moveToElement(computersMobileslinks).build().perform();
        Thread.sleep(2000);
        wait.until(ExpectedConditions.visibilityOf(Laptopslink));
        actions.moveToElement(Laptopslink).build().perform();
        Thread.sleep(2000);
        actions.click().build().perform();
    }
}

```

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

```
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import java.util.concurrent.TimeUnit;

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        WebDriver driver= new FirefoxDriver();
        driver.get("https://www.amazon.in/");

        List

```