1. **Problem Statement:**
   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.

   NOTE: Since Chrome Browser is not working for me, I am using the Firefox Browser

1.1 Source Code: file name – DataTable.java

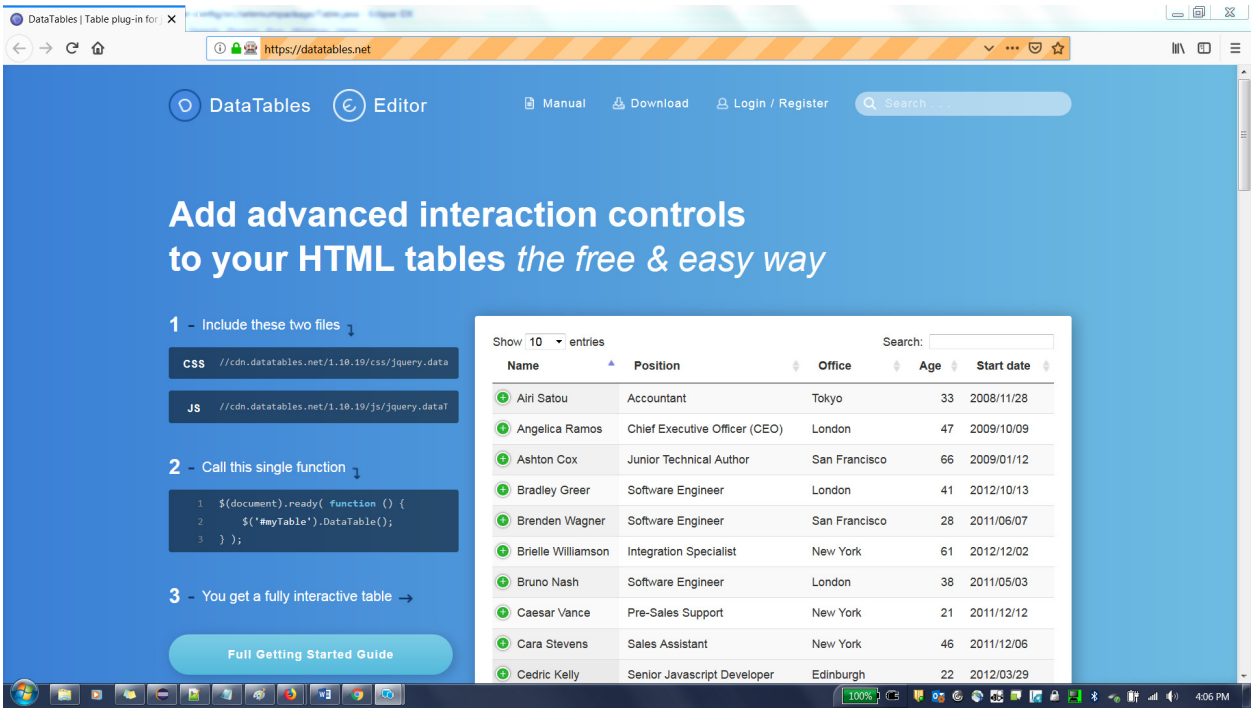
```
package seleniumpackage;

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;

public class DataTable {

	public static void main(String[] args) throws InterruptedException {
		// TODO Auto-generated method stub
		System.setProperty("webdriver.gecko.driver",
"./Drivers/geckodriver.exe");
		//loads the Firefox Driver
		WebDriver driver =new FirefoxDriver();
		//Opens http://datatables.net page
		driver.get("http://datatables.net");
		driver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);
		driver.manage().window().maximize();
		//taking the list of rows from the table in the page
		List<WebElement>
rowList=driver.findElements(By.xpath("//table[@id='example']/tbody/tr"));
		// taking the Rows size - finding the no of rows
		int Rsize=rowList.size();
		//taking the list of Columns from the table in the page
		List<WebElement>
clmns=driver.findElements(By.xpath("//table[@id='example']/tbody/tr[1]/td"));
		//taking the column size - finding the no of columns
		int Csize=clmns.size();
		System.out.println("Number of Rows from the table in page 1 -
"+Rsize);
		System.out.println("Number of Columns from the table in page 1 -
"+Csize);
		int total=0;

		for(int i=1;i<=Rsize;i++)
		{
			int j=i+1;
```

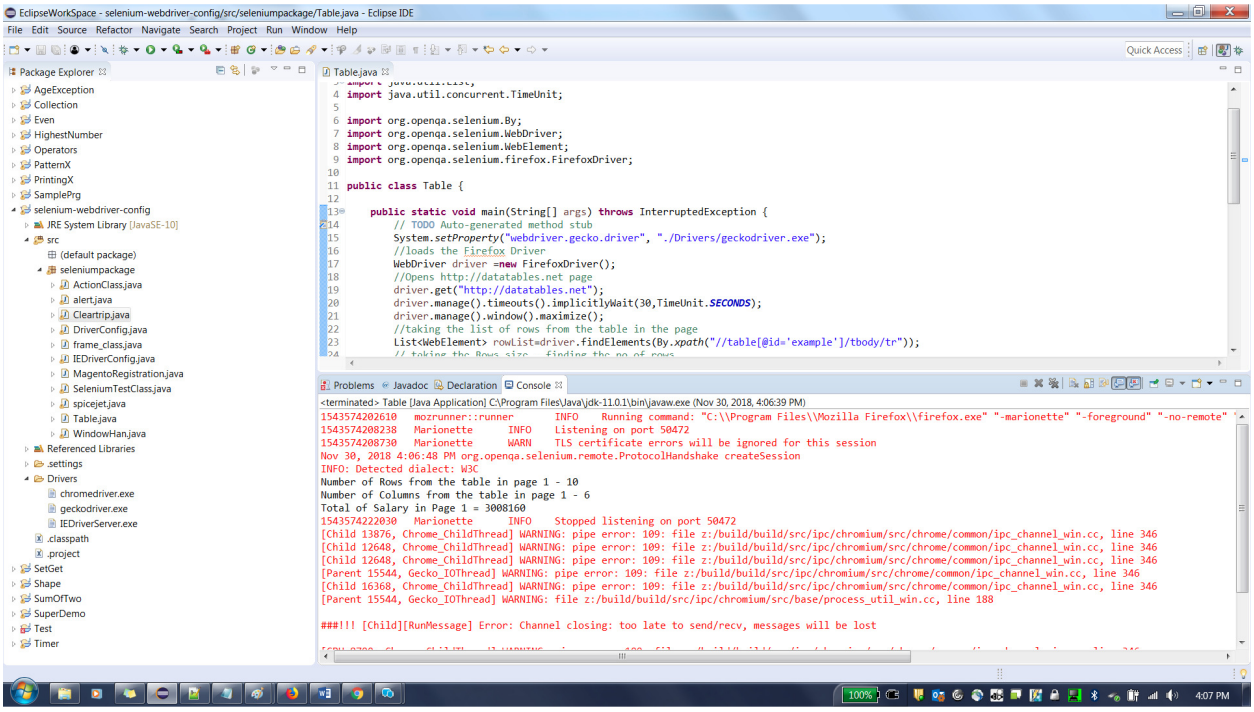
```
                    WebElement
nameEle=driver.findElement(By.xpath("//table[@id='example']/tbody/tr["+i+"]/td
[1]"));
                    //this will click on the name, so that the salary row will
be visible
                    nameEle.click();
                    //passing the Salary in to an WebElement
                    WebElement
salEle=driver.findElement(By.xpath("(//table[@id='example']/tbody/tr["+j+"]/td
[1]/descendant::span)[2]"));
                    //getting the Salary
                    String salary=salEle.getText().trim().replace("$",
"").replace(",", "");
                    //adding to the Total by converting the Salary in to
Integer
                    total=total+Integer.parseInt(salary);
                    nameEle.click();

                }
                System.out.println("Total of Salary in Page 1 = "+total);
                Thread.sleep(3000);
                driver.quit();
        }

}
```

1.2 Output:

```
Number of Rows from the table in page 1 - 10
Number of Columns from the table in page 1 - 6
Total of Salary in Page 1 = 3008160
```

1.3 Output Screenshots:





2. Problem Statement:

Task:

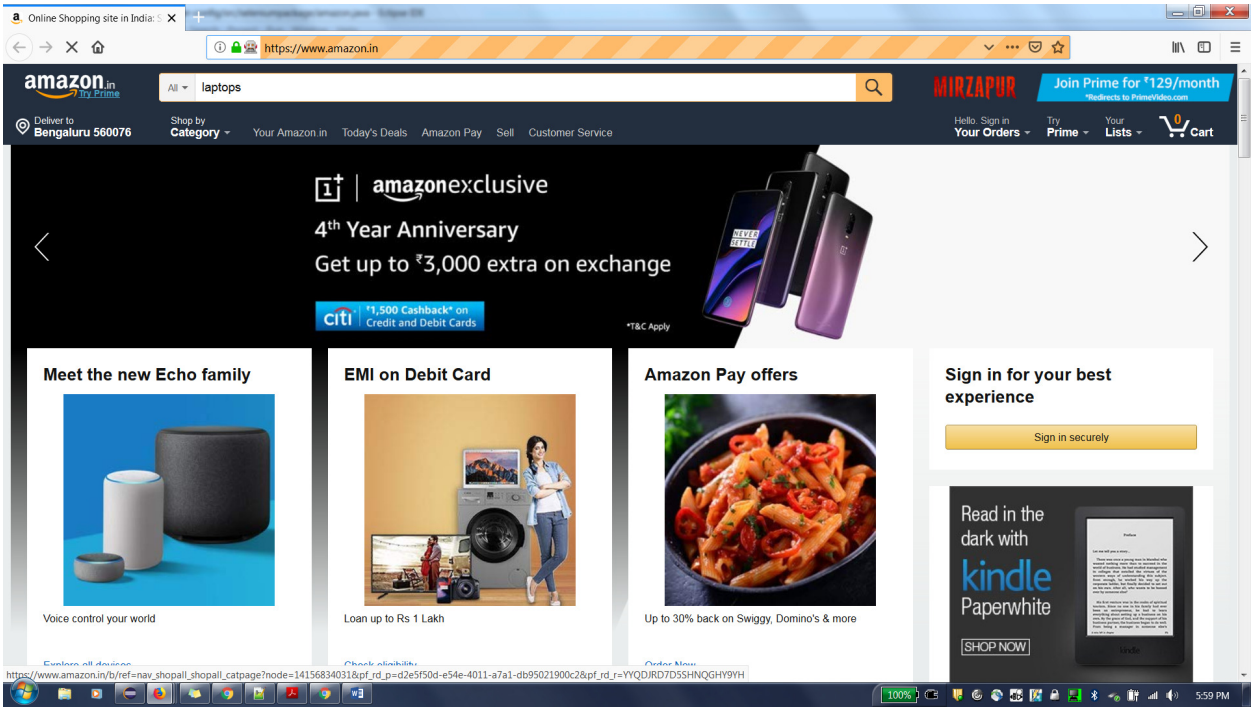
- Please try to configure Chrome Browser and navigate to https://www.amazon.in/
- Search for Laptops.
- Print the total number of links on the page.
- Also print the link and link text of the page.

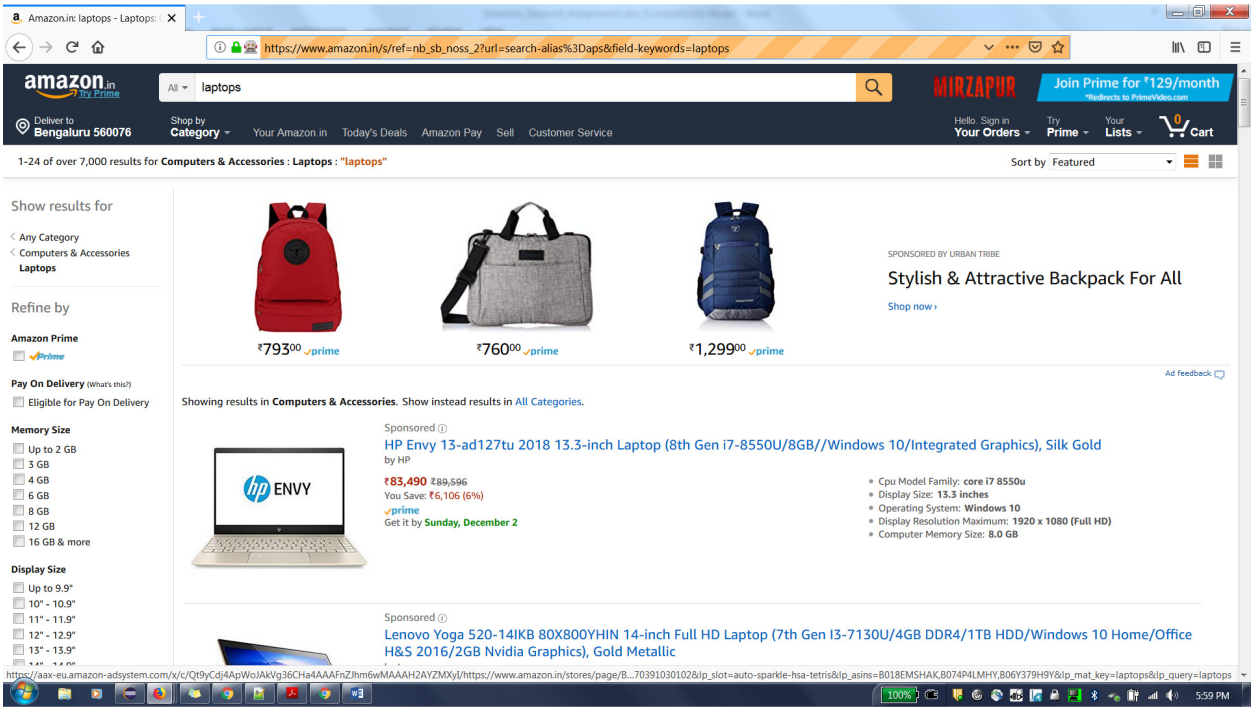
2.1 Source Code: file name – amazon.java

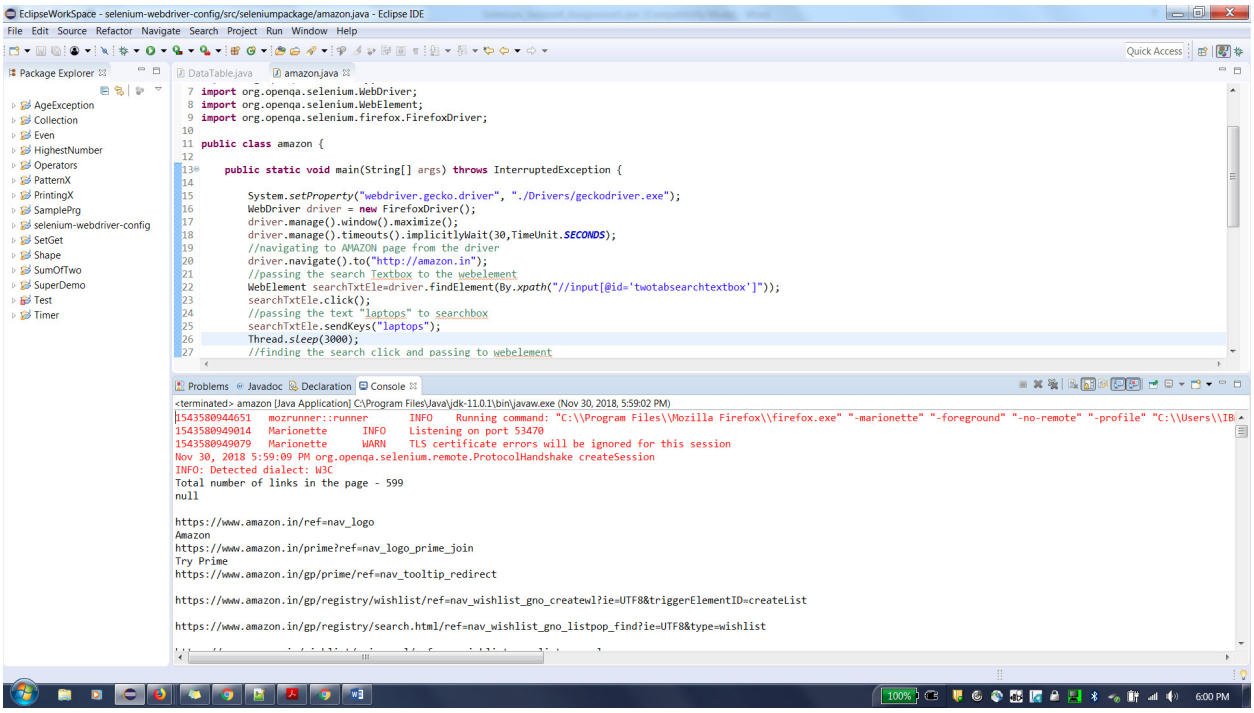
```
package seleniumpackage;

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;

public class amazon {

	public static void main(String[] args) {

		System.setProperty("webdriver.gecko.driver",
"./Drivers/geckodriver.exe");
		WebDriver driver = new FirefoxDriver();
		driver.manage().window().maximize();
		driver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);
		//navigating to AMAZON page from the driver
		driver.navigate().to("http://amazon.in");
		//passing the search Textbox to the webelement
		WebElement
searchTxtEle=driver.findElement(By.xpath("//input[@id='twotabsearchtextbox']")
);
		searchTxtEle.click();
		//passing the text "laptops" to searchbox
		searchTxtEle.sendKeys("laptops");
		Thread.sleep(3000);
		//finding the search click and passing to webelement
		WebElement searchEle
=driver.findElement(By.xpath("(//input[@type='submit'])[1]"));
		searchEle.click();
		//getting the list of elements with tagname = a
		List<WebElement> linksEle=driver.findElements(By.tagName("a"));
		//getting the total no of links available
		int noOfLinks=linksEle.size();

		System.out.println("Total number of links in the page -
"+noOfLinks);
		//loop for printing the links and text
		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);

		}
	}
```

}

2.2 Output Screenshots:







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