

Task - 1

- 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.

Program in eclipse:-

```
package myPackage;

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 DataTablesNet {

    public static void main(String[] args) {

        WebDriver driver = new ChromeDriver();

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

        //Maximize browser and synchronization wait
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

        //To find all rows from table
        List<WebElement>
rowsTotal=driver.findElements(By.xpath("//table[@id='example']/tbody/tr"));
        int rowCount=rowsTotal.size();

        //To find all columns from table
        List<WebElement>
cols=driver.findElements(By.xpath("//table[@id='example']/tbody/tr[1]/td"));
        int colCount=cols.size();
        //Print rows and columns count
        System.out.println("Total rows in table:"+rowCount);
        System.out.println("Total columns in table:"+colCount);
        int total=0;

        //loop to click on each row on first column to get the salary of each
employee
        for(int i=1;i<=rowCount;i++)
```

```

        {
            WebElement
dataEle1=driver.findElement(By.xpath("//table[@id='example']/tbody/tr["+i+"]/td[1]"))
;

            dataEle1.click();

            WebElement
dataEle2=driver.findElement(By.xpath("//table[@id='example']/tbody/tr["+i+"]/td[1]"));

            //remove all text from salary like salary , $ and ,
String salary2=dataEle2.getText().trim().replace("Salary",
").replace("$", "").replace(", ", "");

            dataEle1.click();
            //Calculate each salary into total
total=total+Integer.parseInt(salary2.trim());
        }

        //Print total salary from total (result of above for loop)
System.out.println("The total salary of all the employee: "+total);

    }
}

```

Output(execution) of the above code from eclipse:-

```

package myPackage;

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 DataTablesNet {

    public static void main(String[] args) {

        WebDriver driver = new ChromeDriver();
        driver.get("https://datatables.net/");

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

        List rowsTotal=driver.findElements(By.xpath("//table[@id='example']/tbody/tr"));
        int rowCount=rowsTotal.size();
    }
}

```

<terminated> DataTablesNet [Java Application] C:\Program Files\Java\jdk1.8.0_181\bin\javaw.exe (Nov 29, 2018, 5:00:47 PM)
 Starting ChromeDriver 2.44.609538 (b655c5a60b0b544917107a59d4153d4bf78e1b90) on port 36742
 Only local connections are allowed.
 Nov 29, 2018 5:00:52 PM org.openqa.selenium.remote.ProtocolHandshake createSession
 INFO: Detected dialect: OSS
 Total rows in table:10
 Total columns in table:6
 The total salary of all the employee: 3008160

Task- 2

- 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.

Program in eclipse:-

```
package myPackage;

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 AmazonSiteTest {

    public static void main(String[] args) {

        WebDriver driver=new ChromeDriver();

        //launching Amazon site
        driver.navigate().to("https://www.amazon.in/");
        //maximize browser and synchronization wait
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

        //Click on search box
        WebElement searchLap=driver.findElement(By.id("twotabsearchtextbox"));
        searchLap.click();
        //Enter text in search box
        searchLap.sendKeys("laptops");

        //Click on submit for search results
        WebElement
submitEle=driver.findElement(By.xpath("(//input[@type='submit'])[1]"));
        submitEle.click();
        //Searching all <a tags in page
        List<WebElement> linksEle=driver.findElements(By.tagName("a"));
        int noOfLinks=linksEle.size(); //count of all <a (Anchor) tags in page
        System.out.println("Number of Anchor tags in page : "+noOfLinks);

        //searching all link tags in page
        List<WebElement> linksEle1=driver.findElements(By.tagName("link"));
        int noOflinks1=linksEle1.size(); //count of all link tags in page
        System.out.println("Number of link tags in page:"+noOflinks1);
```

```

//searching all img tags in page
List<WebElement> linksEle2=driver.findElements(By.tagName("img"));
int noOflinks2=linksEle2.size();//count of all img tags in page
System.out.println("Number of image tags in page:"+noOflinks2);

for(WebElement link1Ele : linksEle)
{
    String link=link1Ele.getAttribute("href"); //to print all href links
    String text=link1Ele.getText();

    System.out.println("link for "+text+"is"+link);

}

for(WebElement link2Ele : linksEle1)
{
    String link1=link2Ele.getAttribute("rel"); //to print all rel links from
    String text=link2Ele.getText();

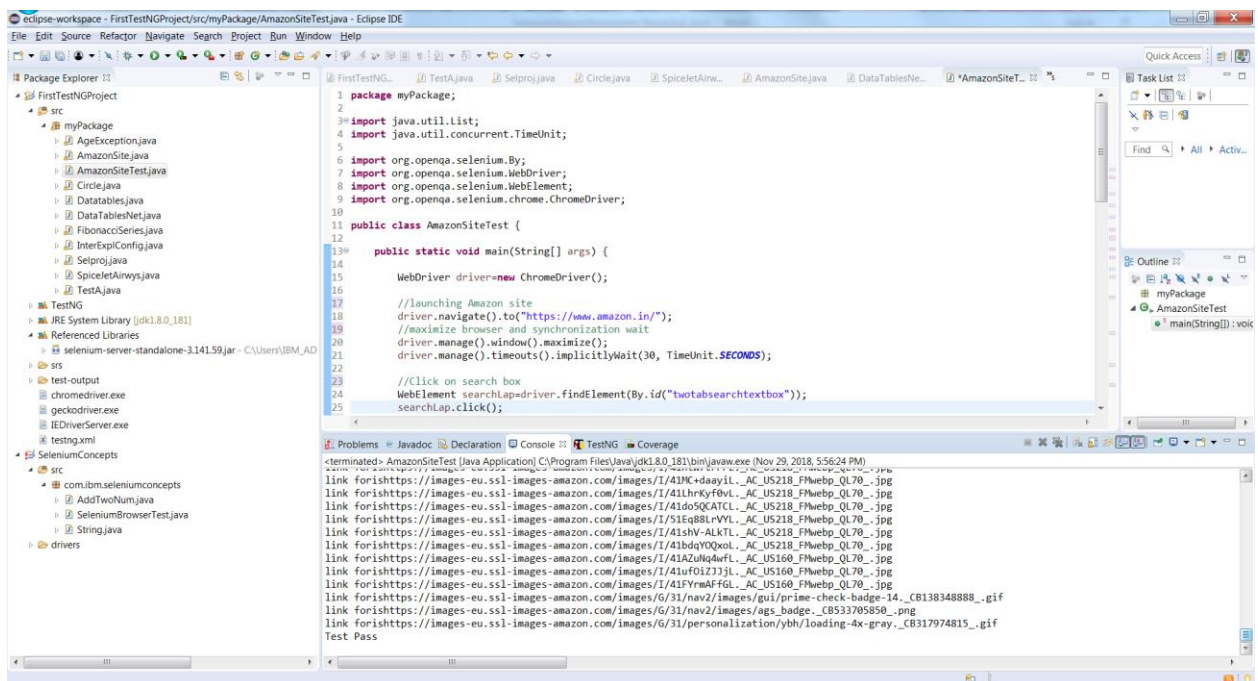
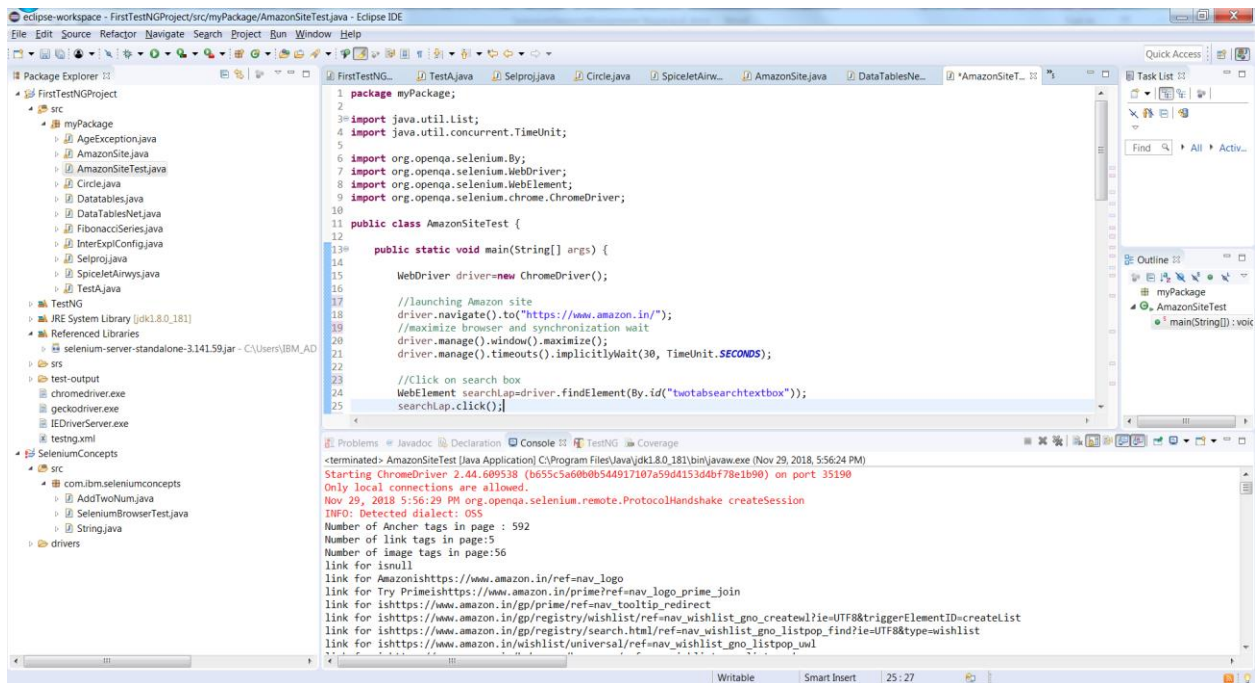
    System.out.println("link for "+text+"is"+link1);

}
for(WebElement link3Ele :linksEle2)
{
    String link2=link3Ele.getAttribute("src"); //to print all src links
    String text=link3Ele.getText();

    System.out.println("link for "+text+"is"+link2);
}
System.out.println("Test Pass"); // confirmation that test case is
passed
}
}

```

Output(execution) screen shot from eclipse:-



Till last

Test case pass