2.1 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.

2.2 Code with Comments

```java
package selenium;

import java.util.ArrayList;
import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class Datatables {

        static int tvalue,totalvalue;

        public static void main(String[] args) throws InterruptedException {
                System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
                WebDriver driver=new ChromeDriver();

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

                //Traverse to the rows
```

```java
List<WebElement>rows=driver.findElements(By.xpath("//table[@id='example']/tbody/tr"));
        int rowcount=rows.size();
        //when clicking we have another row as salary
        int fullrow=rowcount*2;
        System.out.println("row count: " + rowcount);


        //Traverse to the column

List<WebElement>cols=driver.findElements(By.xpath("//table[@id='example']/tbody/tr/td")
);
        int colcount=cols.size();
        System.out.println("column count: " + colcount);


        //Iterating to click each row
        for(int i=1;i<fullrow;i++)
        {
                WebElement
singlerow=driver.findElement(By.xpath("//*[@id='example']/tbody/tr[" + i + "]/td[1]"));
                singlerow.click();
        }
            //Iterating the row
                for(int salrow=1;salrow<=fullrow;salrow++)
                {
                  //Need a salary on each row & salary is in even row
                        if(salrow%2==0)
                        {
                                WebElement
salaryamount=driver.findElement(By.xpath("//*[@id=\"example\"]/tbody/tr["+ salrow +
"]/td[1]/ul/li/span[2]"));
                                //Getting all the salaries
                                String salaryvalue=salaryamount.getText();
                                System.out.println(salaryvalue);
```

```java
                              //calling method reg

                              Datatables.reg(salaryvalue);

                              //Adding all the values in the list

                              List<Integer> list=new ArrayList<Integer>();

                              list.add(tvalue);

                              for(int l=0;l<list.size();l++)

                              {

                                         //adding all the salaries

                                         totalvalue=totalvalue+list.get(l);


                              }


                    }


          }



                    System.out.println("Total value is: " + totalvalue);



}
          //Converting String into char then to integer to add the salaries

          public static void reg(String value)

          {


                    String svalue="";


          for(int s=0;s<value.length();s++)

          {

                    char ch=value.charAt(s);

                    if(Character.isDigit(ch))
```

```
                    {

                            svalue=svalue + Character.toString(ch);


                    }



            }

            tvalue=Integer.parseInt(svalue);

            System.out.println(tvalue);

            }
}
```

2.3 Output

```
  1 package selenium;
  2
  3⊕import java.util.ArrayList;▯
 10
```

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```
<terminated> Datatables (1) [Java Application] C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (02-Dec-2018, 9:40:50 PM)
Only local connections are allowed.
Dec 02, 2018 9:40:54 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
row count: 10
column count: 60
$162,700
162700
$1,200,000
1200000
$86,000
86000
$132,000
132000
$206,850
206850
$372,000
372000
$163,500
163500
$106,450
106450
$145,600
145600
$433,060
433060
Total value is: 3008160
```

3 – You get a fully interactive table →

Full Getting Started Guide

Salary	$86,000			
🔴 Bradley Greer	Software Engineer	London	41	2012/10/13
Salary	$132,000			
🔴 Brenden Wagner	Software Engineer	San Francisco	28	2011/06/07
Salary	$206,850			
🔴 Brielle Williamson	Integration Specialist	New York	61	2012/12/02
Salary	$372,000			
🔴 Bruno Nash	Software Engineer	London	38	2011/05/03
Salary	$163,500			
🔴 Caesar Vance	Pre-Sales Support	New York	21	2011/12/12
Salary	$106,450			
🔴 Cara Stevens	Sales Assistant	New York	46	2011/12/06
Salary	$145,600			
🔴 Cedric Kelly	Senior Javascript Developer	Edinburgh	22	2012/03/29