

TestCase_2

Program:

In this challenge, we will work on Dynamic tables Task

- Please try to configure Chrome Browser or firefox browser and navigate to <https://datatables.net/>
- Select 50 entries per page using the drop down. Now you will get 2 pages.
- Get the list of employee name in the page 1 and page 2, whose age is greater than or equal to 50 and salary is greater than or equal to \$200,000
- Print the name in the console.

Program code:

```
package com.ibm.packages;

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

import org.openqa.selenium.By;
import org.openqa.selenium.Dimension;
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 DynamicTables {

    public static void main(String[] args) {
        //To initialize Chrome driver
        System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
        WebDriver driver= new ChromeDriver();
        //Explicit wait
        WebDriverWait wait= new WebDriverWait(driver,60);
        //To launch the mentioned url
        driver.navigate().to("https://datatables.net");
        //To maximize the window
        driver.manage().window().maximize();
        //Implicit wait
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
        //To have 100 entries
        WebElement show= driver.findElement(By.xpath("//option[@value='100']"));
        show.click();
        //To get the row count
        List <WebElement> rows=
driver.findElements(By.xpath("//table[@id='example']/tbody/tr"));
        int row=rows.size();

        System.out.println("The row count is:" +row);
    }
}
```

```

        //Loop statement to get the data for name, age, salary when age is
        gretaer than or equal to 50 and salary greater than or equal to 200000
        for(int i = 1;i<=row;i++)

        {
            WebElement name=
driver.findElement(By.xpath("//table[@id='example']/tbody/tr[( "+i+" )]/td[1]"));
            String Name= name.getText();
            WebElement
age=driver.findElement(By.xpath("//table[@id='example']/tbody/tr[( "+i+" )]/td[4]"));
            String ages=age.getText();
            name.click();
            WebElement Salary=
driver.findElement(By.xpath("//table[@id='example']/tbody/tr[( "+(i+1)+" )]/td[1]"));
            String salary=
Salary.getText().trim().replace("Salary", "").trim().replace("$", "").replace(", ", "");
            name.click();
            if((Integer.parseInt(ages)>=50) &&
(Integer.parseInt(salary)>=200000) )
            {
                System.out.println(Name);
                System.out.println(ages);
                System.out.println(salary);
            }

        }
    }
}

```

Attachment of class and java file:

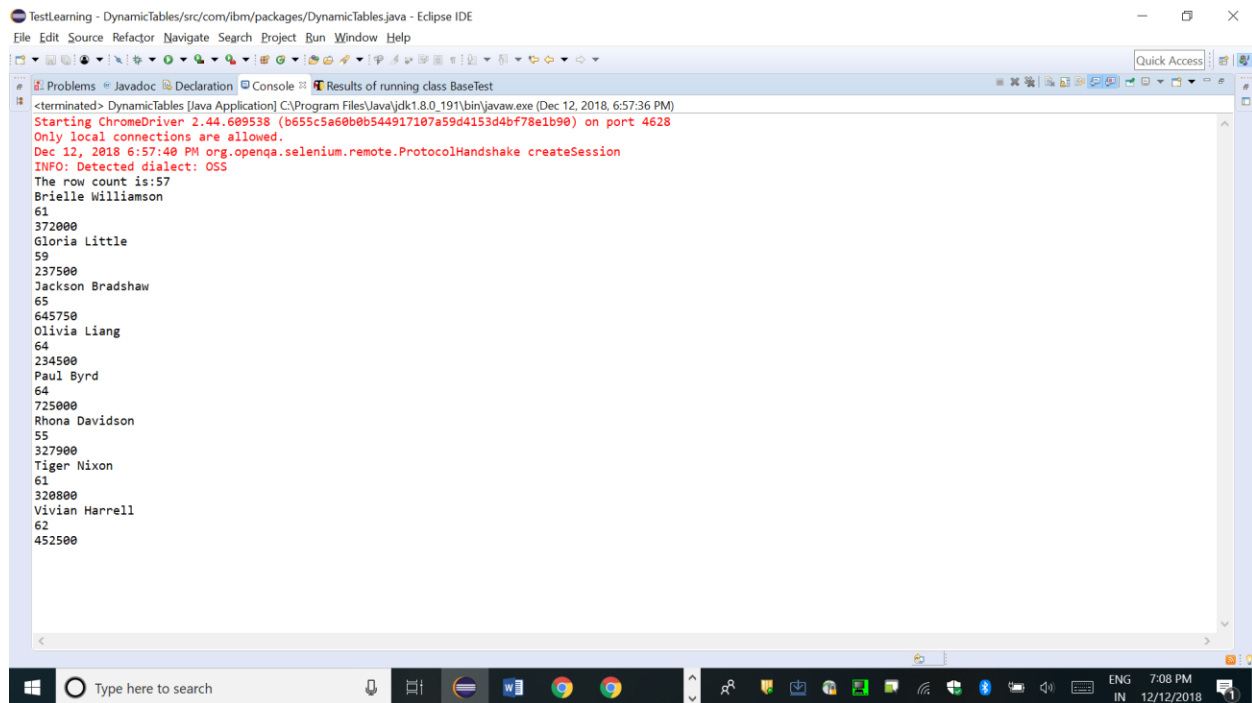


DynamicTables.java



DynamicTables.class

Program output from Eclipse:



2. Objective:

In this challenge, we will write code to dynamically check all the links under the table.

Task

- Please launch <https://www.moneycontrol.com/>
- Click on Stocks links (Highlighted near Signup)
- Get all the links and link text of the company under the list of Alphabet 'A' and print it in the console .
- Assert the title using TestNG Assertion after clicking on "Ashok Leyland" in the table of company name.

Program Code:

```
package com.ibm.packages;  
  
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;
import org.testng.Assert;

public class MoneyControl {

    public static void main(String[] args) {
        //To launch the chrome browser with mentioned website,maximixe the
window
        System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
        WebDriver driver= new ChromeDriver();
        WebDriverWait wait= new WebDriverWait(driver,60);
        driver.navigate().to("https://www.moneycontrol.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
        //To click on the stock near 'Login' in the page
        WebElement Stock =
driver.findElement(By.xpath("//a[@href='//www.moneycontrol.com/india/stockpricequote/
']"));
        Stock.click();
        //To click on the company with name 'A'
        WebElement
ClickA=driver.findElement(By.xpath("//a[@href='/india/stockpricequote/A']"));
        ClickA.click();
        //To get the link in that page with company name 'A'
        ListAshok Leyland' sending that value to the inpu box in
top
        WebElement Company=driver.findElement(By.xpath("//input[@name='company']"));
        Company.sendKeys("Ashok Leyland");
        //After giving the company name and then click on 'GO' near the input box
        WebElement GoClick= driver.findElement(By.xpath("//input[@src='http://img-
d02.moneycontrol.co.in/images/technical/go_btn.jpg']"));
        GoClick.click();
        //Once 'Go' is clicked it enter a new page and in the new page to click on
the 'Ashok Leyland' company
        WebElement AshokLeyland=
driver.findElement(By.xpath("//a[@href='http://www.moneycontrol.com/india/stockpriceq
uote/autolcvshcvs/ashokleyland/AL']"));
        AshokLeyland.click();
        //To check whether the Company title is matching with company name
        Assert.assertTrue(driver.findElement(By.xpath("//div[@class='b_42 MB10 PT5
PR']")).isDisplayed());
    }
}

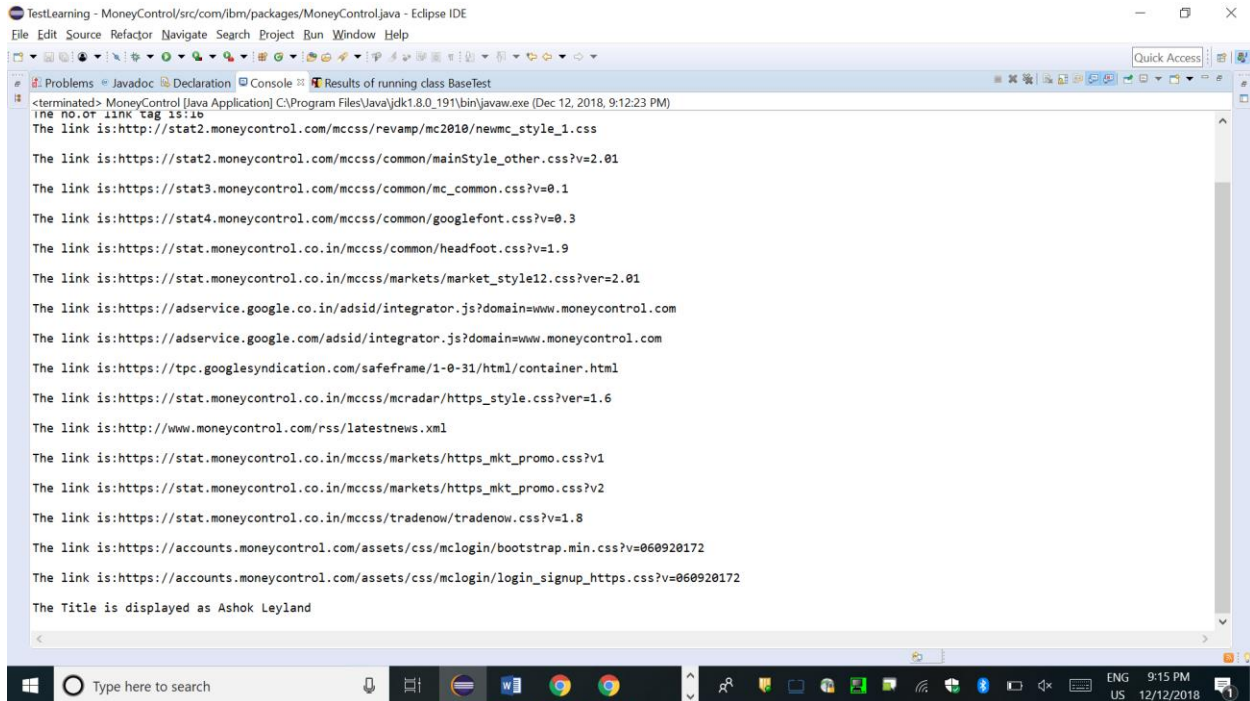
```

```

        //To check whether all the statements are executed and print as it is
        displayed
        System.out.println("The Title is displayed as Ashok Leyland");
    }
}

```

Program output from Eclipse:



```

TestLearning - MoneyControl/src/com/ibm/packages/MoneyControl.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
# Problems Javadoc Declaration Console Results of running class BaseTest
<terminated> MoneyControl [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (Dec 12, 2018, 9:12:23 PM)
The link is: http://stat2.moneycontrol.com/mccss/revamp/mc2010/newmc_style_1.css
The link is: https://stat2.moneycontrol.com/mccss/common/mainStyle_other.css?v=2.01
The link is: https://stat3.moneycontrol.com/mccss/common/mc_common.css?v=0.1
The link is: https://stat4.moneycontrol.com/mccss/common/googlefont.css?v=0.3
The link is: https://stat.moneycontrol.co.in/mccss/common/headfoot.css?v=1.9
The link is: https://stat.moneycontrol.co.in/mccss/markets/market_style12.css?ver=2.01
The link is: https://adservice.google.co.in/adsid/integrator.js?domain=www.moneycontrol.com
The link is: https://adservice.google.com/adsid/integrator.js?domain=www.moneycontrol.com
The link is: https://tpc.google syndication.com/safeFrame/1-0-31/html/container.html
The link is: https://stat.moneycontrol.co.in/mccss/mcradar/https_style.css?ver=1.6
The link is: http://www.moneycontrol.com/rss/latestnews.xml
The link is: https://stat.moneycontrol.co.in/mccss/markets/https_mkt_promo.css?v1
The link is: https://stat.moneycontrol.co.in/mccss/markets/https_mkt_promo.css?v2
The link is: https://stat.moneycontrol.co.in/mccss/tradenow/tradenow.css?v=1.8
The link is: https://accounts.moneycontrol.com/assets/css/mclogin/bootstrap.min.css?v=060920172
The link is: https://accounts.moneycontrol.com/assets/css/mclogin/login_signup_https.css?v=060920172
The Title is displayed as Ashok Leyland

```

Attachment of java and class file:



MoneyControl.java



MoneyControl.class