2.1 Dynamic Tables

2.2 Coding

package com.ibm.Datatables;

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.Select;

public class Datatables {

public static void main(String[] args) {

System.setProperty("webdriver.chrome.driver", "./Drivers/chromedriver.exe");

WebDriver driver=new ChromeDriver();

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

driver.manage().window().maximize();

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

WebElement entries = driver.findElement(By.name("example\_length"));

Select se=new Select(entries);

se.selectByVisibleText("50");

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

int noOfRows=rows.size();

System.out.println(noOfRows);

int total=0;

for(int i=1;i<=noOfRows;i++)

{

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

nameEle.click();

WebElement salEle = driver.findElement(By.xpath("//span[@class='dtr-data']"));

String salary=salEle.getText().replace("$", "").replace(",","");

total+=Integer.parseInt(salary);

nameEle.click();

if(total>200000)

{

salEle.getText();

}

}

}

}

2.3 Explanation

1.Browser Launch

2.Launched the Url

3.Got 50 entries per page

4.Clicked on each row to get the salary row.

5. using for loop iterated

6.got all the salaries and stored in string

7.Converted into integer

2.4 Output



