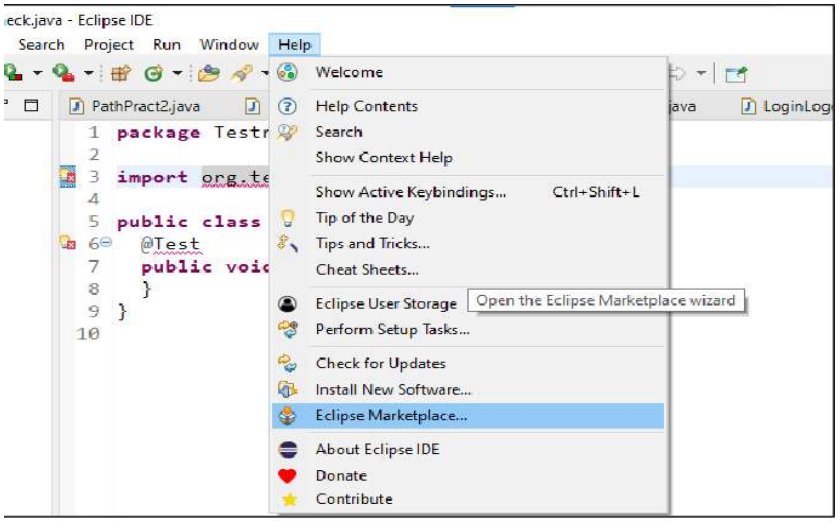
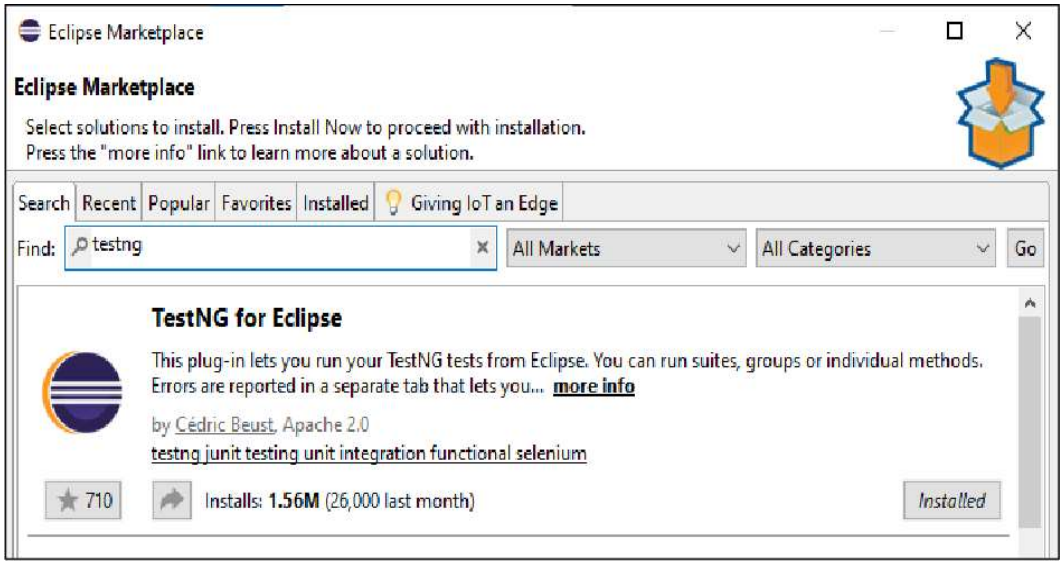
Practical no. –

Aim : Installation of TestNg, running TestNg & TestNg annotations.

Installation :

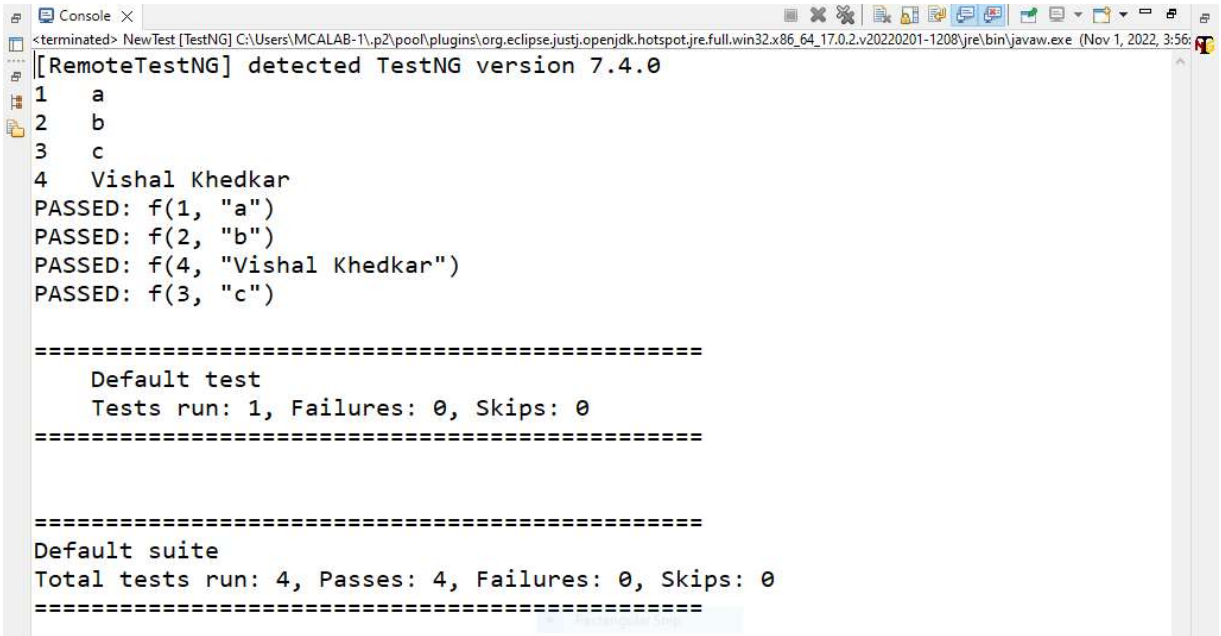




Source code (DemoDataProvider) :

```
packageDemoDataProvider;

importorg.testng.annotations.Test;

importorg.testng.annotations.DataProvider;

public class NewTest {

@Test(dataProvider = "dp")

public void f(Integer n, String s) {System.out.println(n + "   " + s);}

@DataProvider public Object[][] dp() {return new Object[][] {new Object[] { 1, "a" },new Object[] { 2, "b" }, new Object[] {3, "c"} new Object[] {4, "Vishal Khedkar"}};}}
```

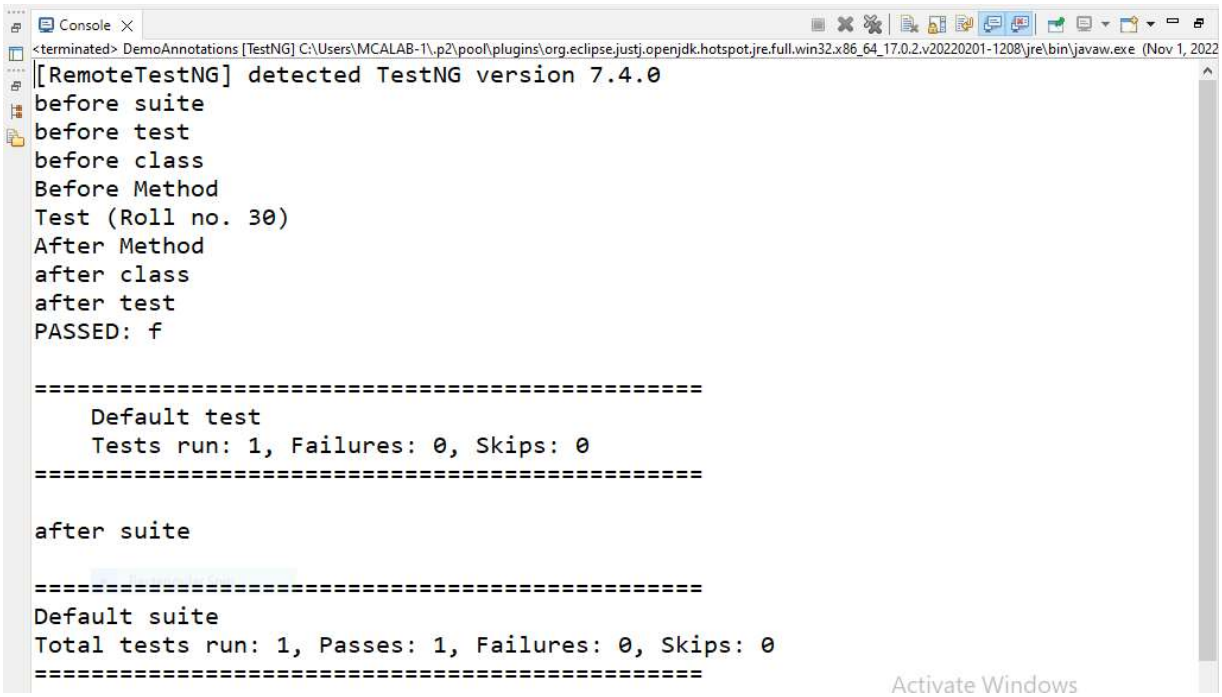
Output :



Source code (DemoAnnotation) :

```
package testng;
import org.testng.annotations.Test;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.AfterSuite;
public class DemoAnnotations {
  @Test
  public void f() {System.out.println("Test (Roll no. 30)");}
  @BeforeMethod
  public void beforeMethod() {System.out.println("Before Method");}
  @AfterMethod
  public void afterMethod() {System.out.println("After Method");}
  @BeforeClass
  public void beforeClass() {System.out.println("before class");}
  @AfterClass
  public void afterClass() {System.out.println("after class");}
  @BeforeTest
  public void beforeTest() {System.out.println("before test");}
  @AfterTest
  public void afterTest() {System.out.println("after test");}
  @BeforeSuite
  public void beforeSuite() {System.out.println("before suite");}
  @AfterSuite
  public void afterSuite() {System.out.println("after suite");}}
```

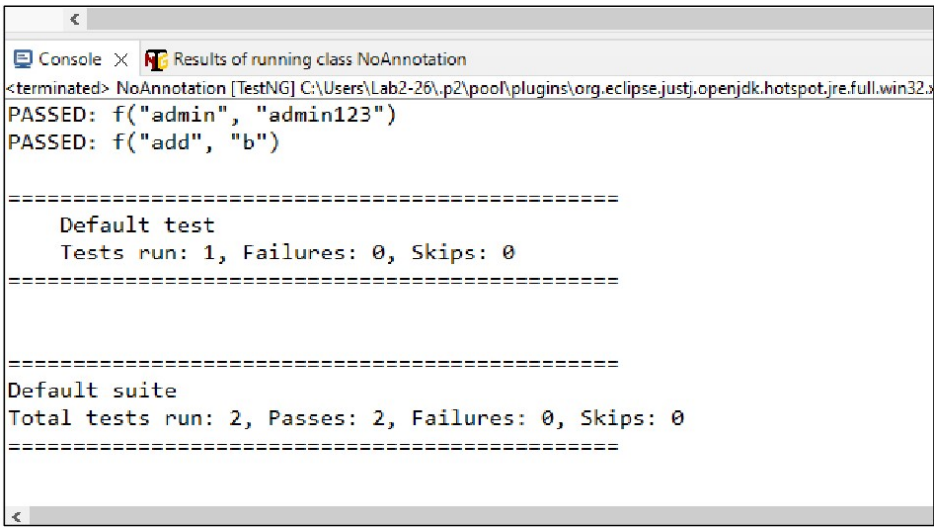
Output :

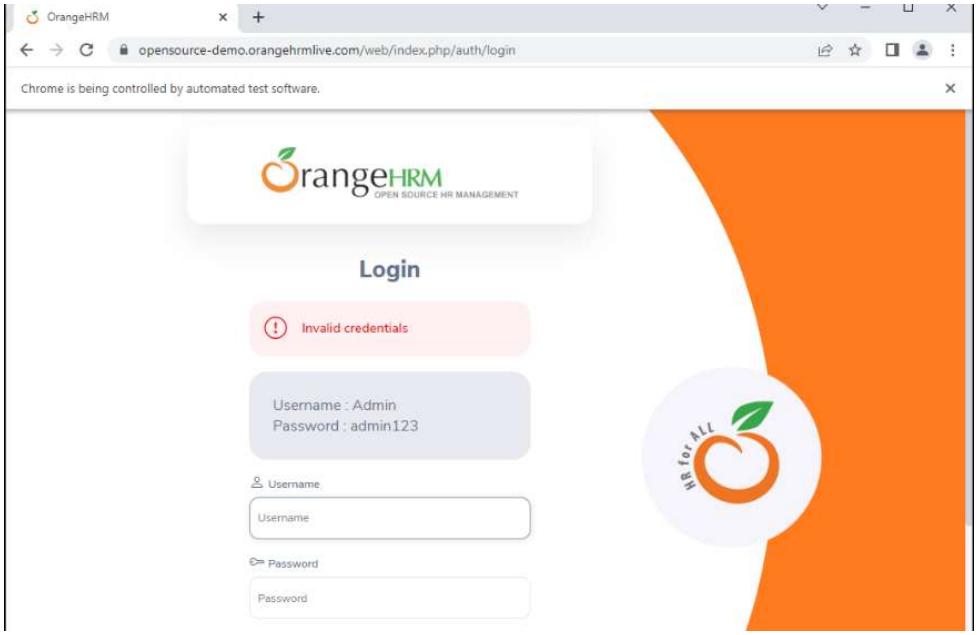


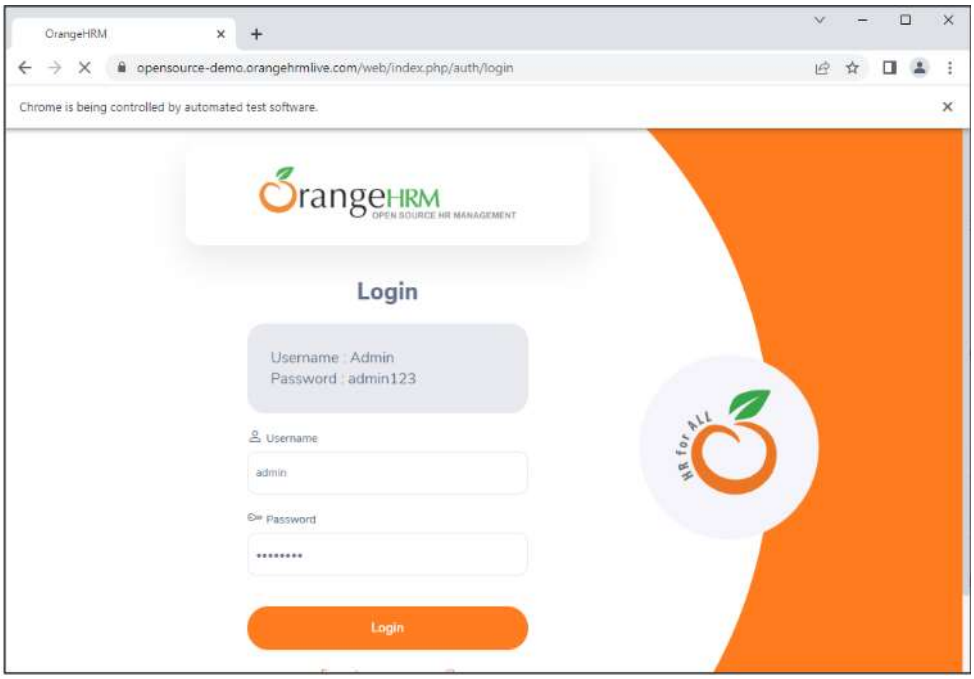
Source code (DataOHM) :

```
importjava.io.FileInputStream;
importjava.io.FileNotFoundException;
importjava.io.IOException;
importjava.util.concurrent.TimeUnit;
importorg.apache.poi.xssf.usermodel.XSSFCell;
importorg.apache.poi.xssf.usermodel.XSSFRow;
importorg.apache.poi.xssf.usermodel.XSSFSheet;
importorg.apache.poi.xssf.usermodel.XSSFWorkbook;
importorg.openqa.selenium.By;
importorg.openqa.selenium.WebDriver;
importorg.openqa.selenium.firefox.FirefoxDriver;
publicclassWriteData {
	publicstaticvoid main(String[] args) throwsIOException {
		System.setProperty("webdriver.gecko.driver",
"E:\\Selenium22\\chromedriver_win32\\chromedriver.exe");
		WebDriverwd = newFirefoxDriver();
		wd.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
		wd.manage().timeouts().implicitlyWait(10,TimeUnit.SECONDS);
		FileInputStreamfis = newFileInputStream("E:\\Selenium22\\WriteData.xlsx");
		XSSFWorkbookwb = newXSSFWorkbook(fis);
		XSSFSheetsh = wb.getSheet("Sheet1");
		for(inti=1; i<=sh.getLastRowNum(); i++) {
			XSSFRowrw = sh.getRow(i);
			XSSFCellun = rw.getCell(0);
			XSSFCellpw = rw.getCell(1);
			System.out.println("Username --->"+un+"  "+"Password --->"+pw);
			wd.findElement(By.name("username")).sendKeys(un.toString());
			wd.findElement(By.name("password")).sendKeys(pw.toString());
			wd.findElement(By.className("oxd-button")).click();}}}
```

Output :



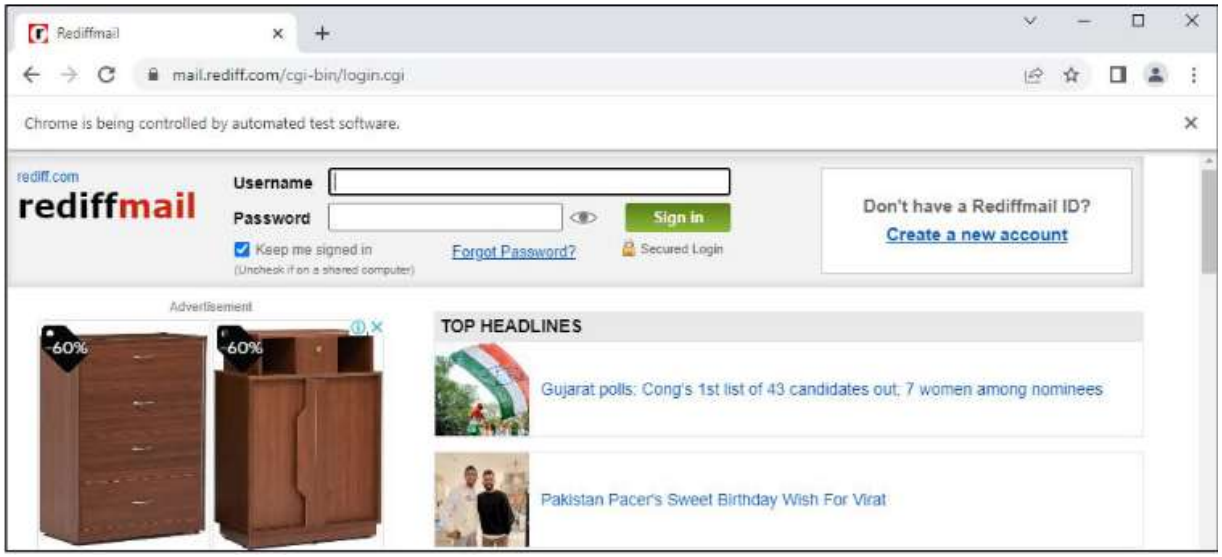


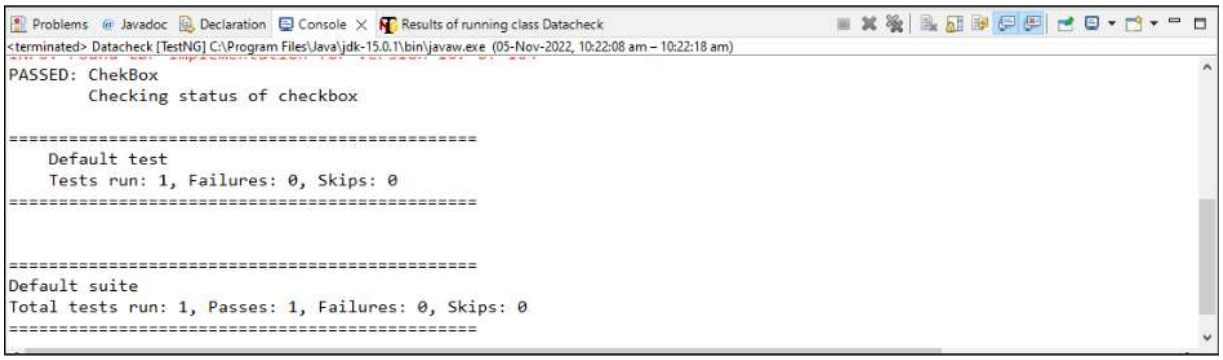


Source code (Datacheck) :

```
package Testng;
import org.testng.annotations.Test;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
public class Datacheck { @Test(description="Checking status of checkbox")
public void ChekBox() { System.setProperty("webdriver.chrome.driver","D:\\vishal\\My_S
elenium_Drivers\\My_Selenium_Drivers\\chromedriver.exe");
WebDriver wd = new ChromeDriver();
wd.get("https://mail.rediff.com/cgi-bin/login.cgi");
boolean sts = wd.findElement(By.name("remember")).isSelected();
Assert.assertTrue(sts);}}
```

Output :

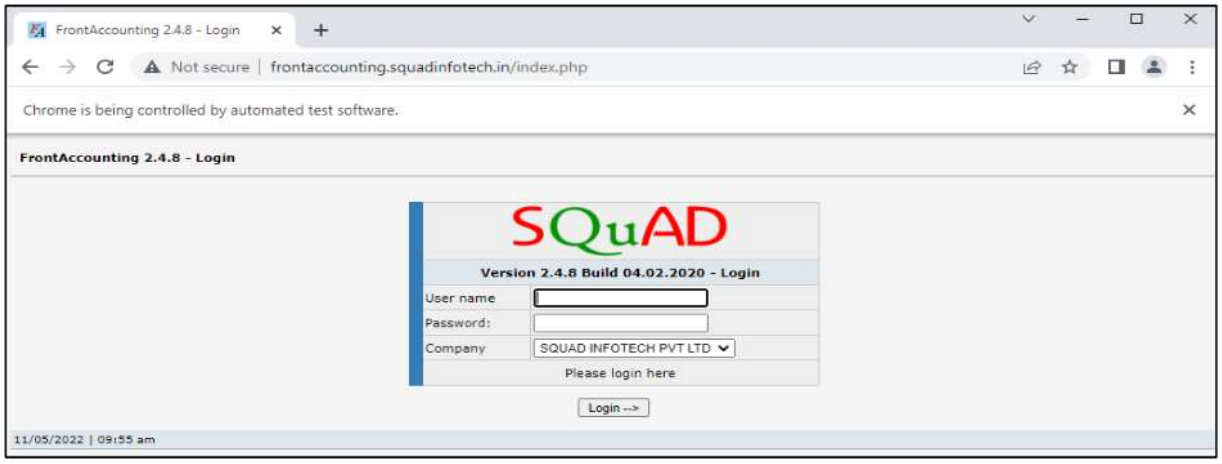


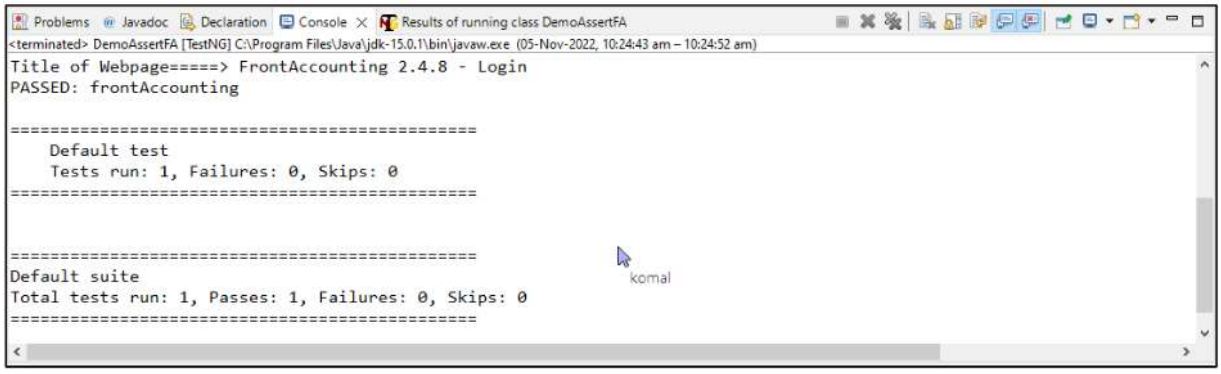


Source code (DemoAssertFA) :

```
package Testng;
import org.testng.annotations.Test;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.Assert;
public class DemoAssertFA {
@Test
public void frontAccounting()
{ System.setProperty("webdriver.chrome.driver","D:\\vishal\\My_S
elenium_Drivers\\My_Selenium_Drivers\\chromedriver.exe");
WebDriver wd = new ChromeDriver(); wd.get("http://frontaccounting.squadinfotech.in/index.php");
String expectedTitle = "FrontAccounting 2.4.8 -
Login";//if title is not matching execution will be fail
String actualTitle =wd.getTitle();
Assert.assertEquals(actualTitle, expectedTitle);
System.out.println("Title of Webpage=====> " + actualTitle);}}
```

Output :





Source code (DemoOHM) :

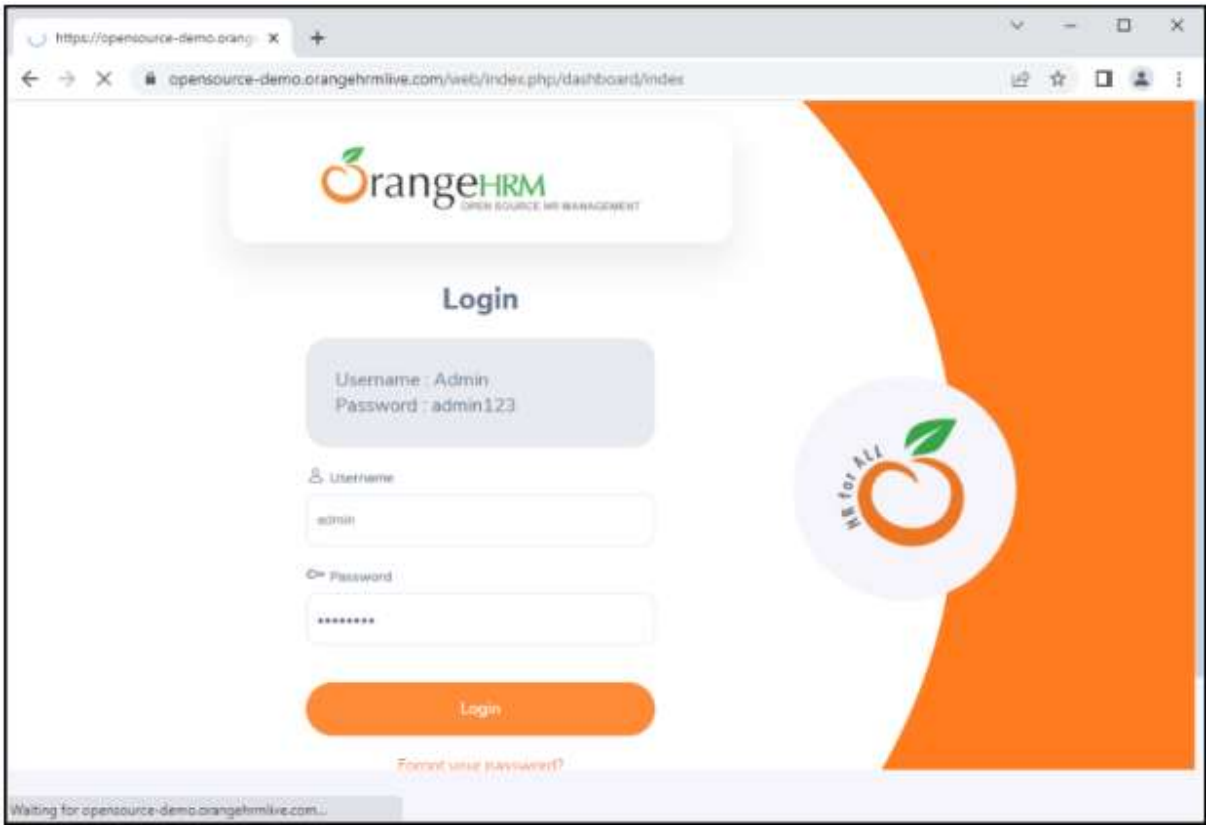
```
package Testng;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;
import org.testng.annotations.AfterSuite;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.BeforeSuite;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;
public class DemoOhm {
WebDriver wd;
@BeforeSuite
public void openBrowser()
{System.setProperty("webdriver.chrome.driver","D:\\poonam\\My_S
elenium_Drivers\\My_Selenium_Drivers\\chromedriver.exe");
wd=new ChromeDriver();}
@BeforeClass
public void loginOHM()
{wd.get("https://opensource-demo.orangehrmlive.com/");
wd.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
wd.findElement(By.name("username")).sendKeys("admin");//locato
r id wd.findElement(By.name("password")).sendKeys("admin123");//loc
ater name wd.findElement(By.className("oxd-button")).click();//locator
className}
@Test(priority = 2)
public void myInfo()
{wd.findElement(By.className("oxd-main-menu-item")).click();}
@Test(priority = 1)
public void pim()
{wd.findElement(By.className("oxd-main-menu-item")).click();}
@AfterClass
public void logoutOHM() throws Exception
{wd.findElement(By.className("oxd-userdropdown-
name")).click();//locator partiallinkText
Thread.sleep(2000);
wd.findElement(By.partialLinkText("Logout")).click();//locator
linkText}
@AfterSuite
public void closeBrowser()
{wd.quit();}}
```

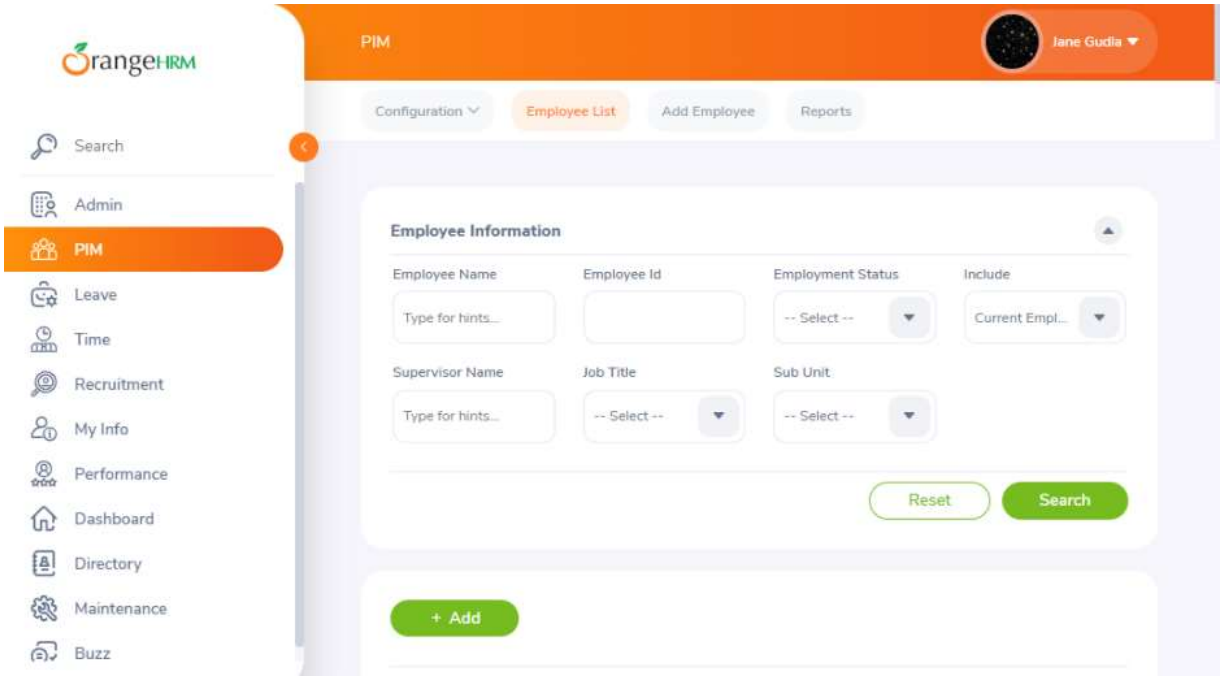
Output :

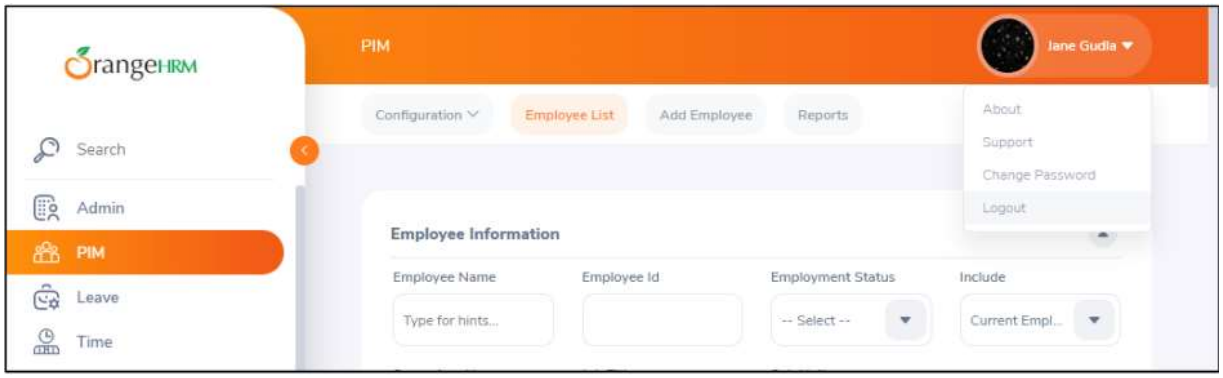
Problems | Javadoc | Declaration | Console | Results of running class DemoOhm

<terminated> DemoOhm [TestNG] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (05-Nov-2022, 7:30:10 pm – 7:30:35 pm)

```
PASSED: pim
PASSED: myInfo

===============================================
    Default test
    Tests run: 2, Failures: 0, Skips: 0
===============================================


===============================================
Default suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
===============================================
```




OrangeHRM
PIM
Jane Gudia
Configuration
Employee List
Add Employee
Reports
Search
Admin
PIM
Leave
Time
Recruitment
My Info
Performance
Dashboard
Directory
Maintenance
Buzz
Employee Information
Employee Name
Type for hints...
Employee Id
Employment Status
-- Select --
Include
Current Empl...
Supervisor Name
Type for hints...
Job Title
-- Select --
Sub Unit
-- Select --
Reset
Search
+ Add


OrangeHRM
PIM
Jane Gudia
Configuration
Employee List
Add Employee
Reports
About
Support
Change Password
Logout
Search
Admin
PIM
Leave
Time
Employee Information
Employee Name
Type for hints...
Employee Id
Employment Status
-- Select --
Include
Current Empl...

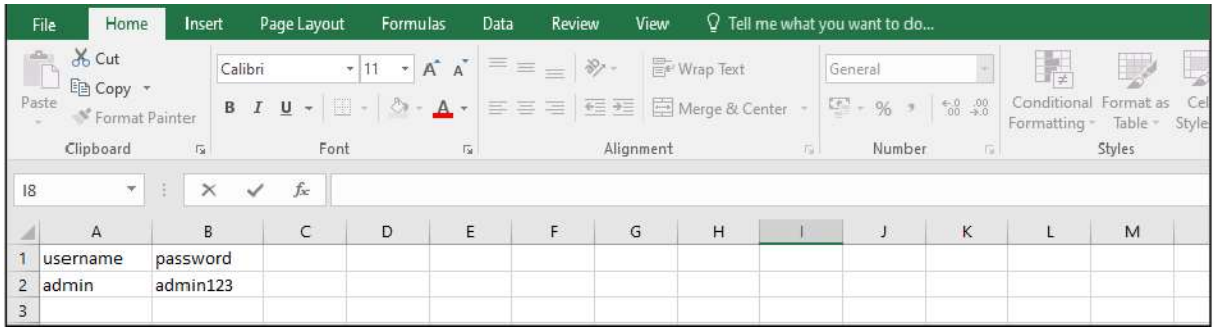
Practical no. –

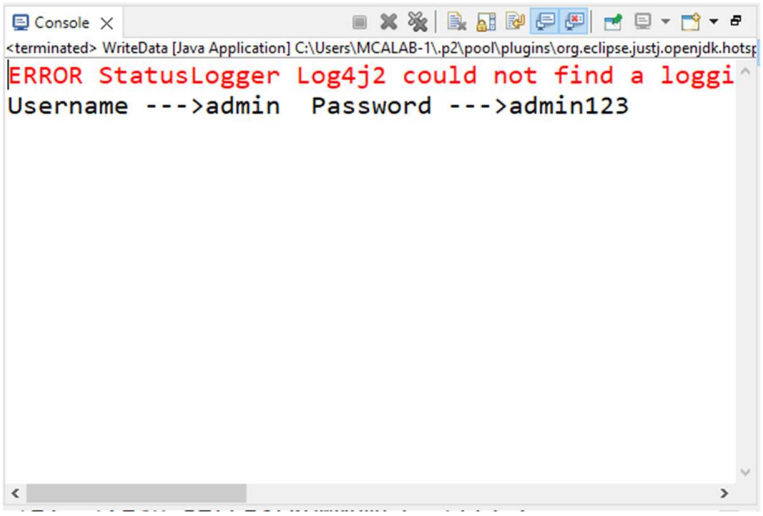
Aim : A] Installation of TestNg, running TestNg & TestNg annotations.

Source code :

```
importjava.io.FileInputStream;
importjava.io.FileNotFoundException;
importjava.io.IOException;
importorg.apache.poi.xssf.usermodel.XSSFCell;
importorg.apache.poi.xssf.usermodel.XSSFRow;
importorg.apache.poi.xssf.usermodel.XSSFSheet;
importorg.apache.poi.xssf.usermodel.XSSFWorkbook;
publicclassWriteData {
	publicstaticvoid main(String[] args) throwsIOException {
		FileInputStreamfis = newFileInputStream("E:\\Selenium22\\WriteData.xlsx");
		XSSFWorkbookwb = newXSSFWorkbook(fis);
		XSSFSheetsh = wb.getSheet("Sheet1");
		for(inti=1; i<=sh.getLastRowNum(); i++) {
			XSSFRowrw = sh.getRow(i);
			XSSFCellun = rw.getCell(0);
			XSSFCellpw = rw.getCell(1);
			System.out.println("Username --->"+un+"  "+"Password --->"+pw);}}}
```

Output :



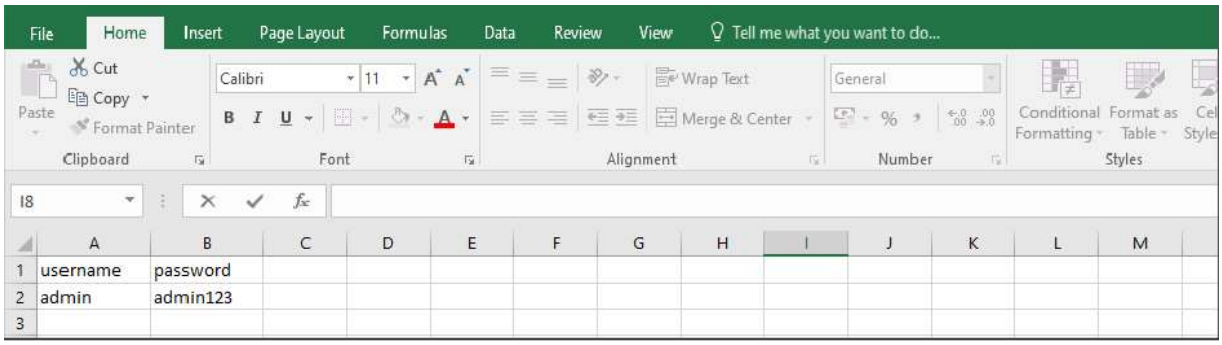

Console
<terminated> WriteData [Java Application] C:\Users\MCALAB-1\.p2\pool\plugins\org.eclipse.justj.openjdk.hotsp
ERROR StatusLogger Log4j2 could not find a loggi
Username --->admin Password --->admin123

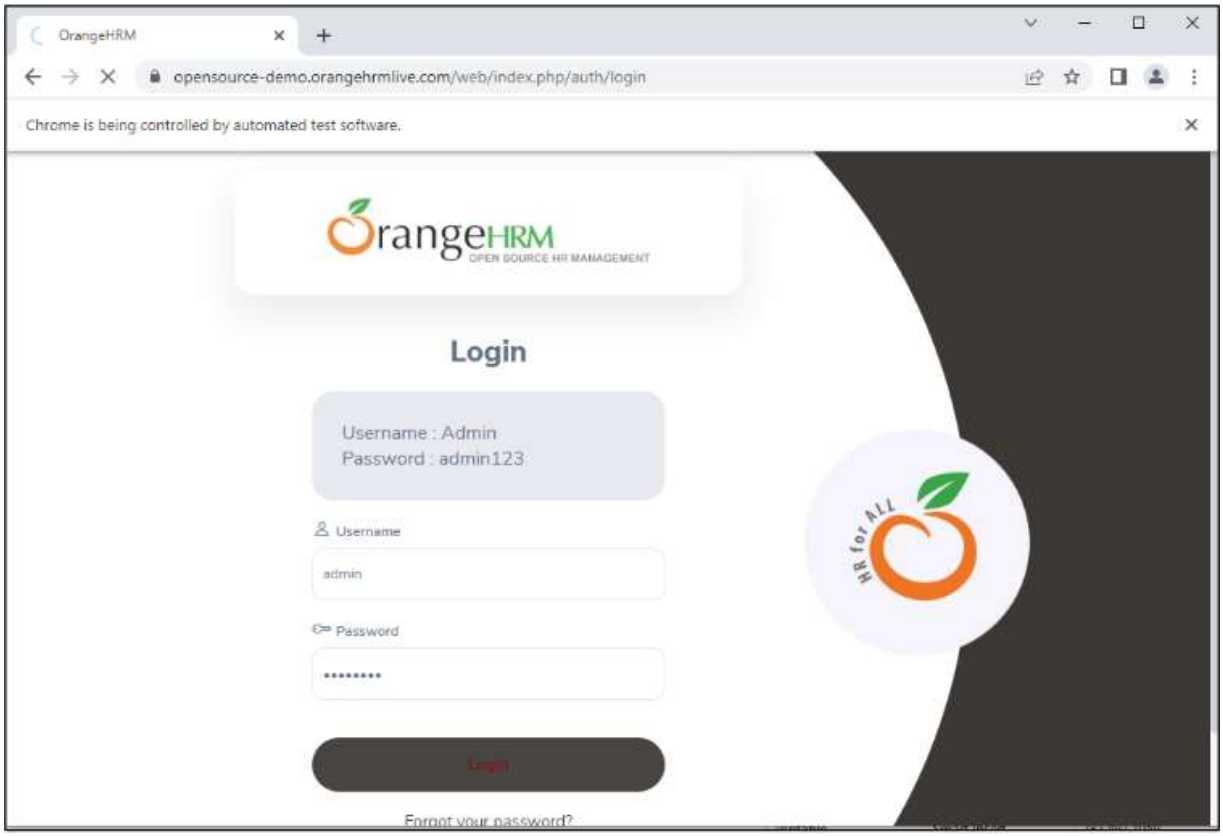
B] Write a Program to Read data from an Excel file and login in to site.

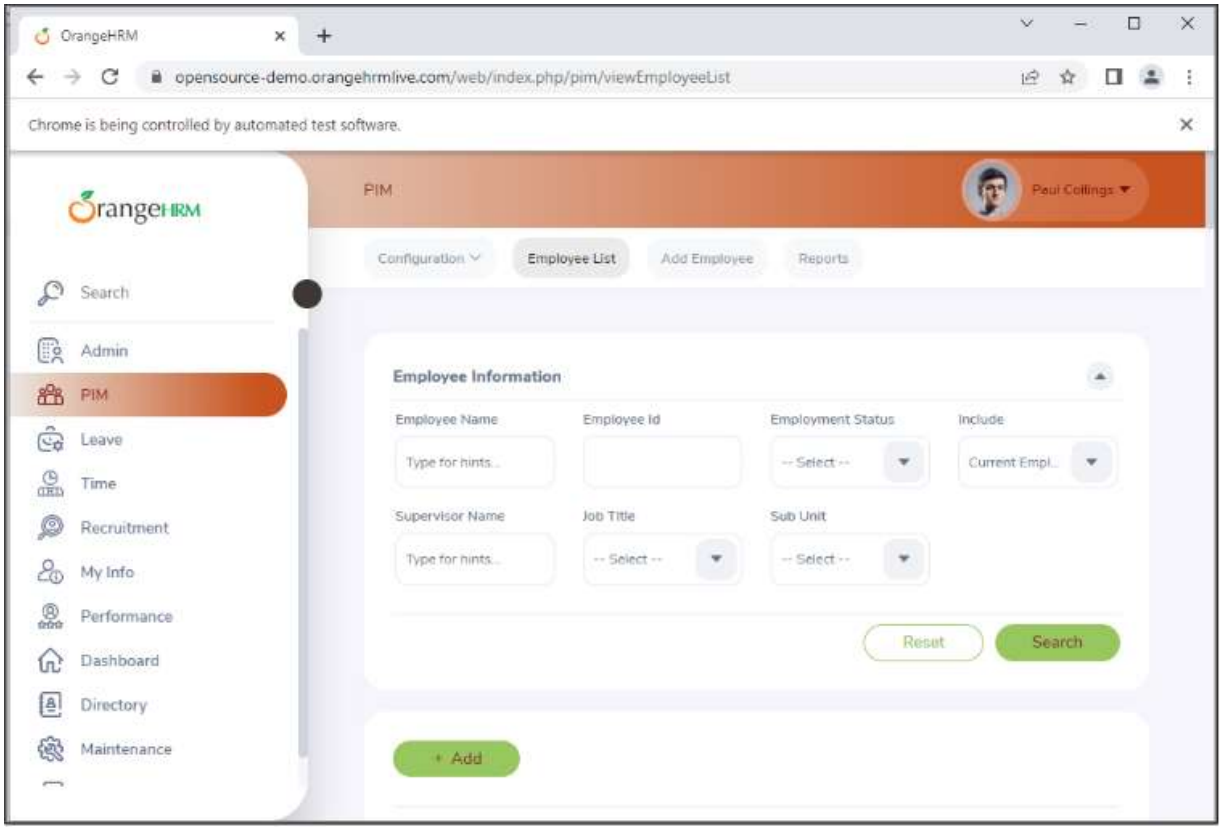
Source code :

```
package practical;
import java.io.FileInputStream;
import java.io.IOException;
import java.util.concurrent.TimeUnit;
import org.apache.poi.xssf.usermodel.XSSFCell;
import org.apache.poi.xssf.usermodel.XSSFRow;
import org.apache.poi.xssf.usermodel.XSSFSheet;
import org.apache.poi.xssf.usermodel.XSSFWorkbook;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class WriteDataOrangeHRM {
public static void main(String[] args) throws IOException {
// TODO Auto-generated method stub
System.setProperty("webdriver.chrome.driver",
"D:\\Poonam\\STQA\\chromedriver_win32\\chromedriver.exe");
WebDriver wd=new ChromeDriver();
wd.get("https://opensource-demo.orangehrmlive.com/");
wd.manage().timeouts().implicitlyWait(10,TimeUnit.SECONDS);
FileInputStream fis = new
FileInputStream("D:\\Vishal\\STQA\\Vishal.xlsx");
XSSFWorkbook wb =new XSSFWorkbook(fis);
XSSFSheet sh = wb.getSheet("Vishal");
for(int i=1;i<=sh.getLastRowNum();i++) {
XSSFRow rw=sh.getRow(i);
XSSFCell un=rw.getCell(0);
XSSFCell pw=rw.getCell(1); System.out.println("username ="+ un + " " + "Password
="+ pw); wd.findElement(By.name("username")).sendKeys(un.toString());
wd.findElement(By.name("password")).sendKeys(pw.toString());
wd.findElement(By.className("oxd-button")).click();}}}
```

Output :




OrangeHRM
opensource-demo.orangehrmlive.com/web/index.php/auth/login
Chrome is being controlled by automated test software.
OrangeHRM
OPEN SOURCE HR MANAGEMENT
Login
Username : Admin
Password : admin123
Username
admin
Password
Login
Forgot your password?
HR for ALL


OrangeHRM
opensource-demo.orangehrmlive.com/web/index.php/pim/viewEmployeeList
Chrome is being controlled by automated test software.
OrangeHRM
PIM
Paul Collings
Configuration
Employee List
Add Employee
Reports
Search
Admin
PIM
Leave
Time
Recruitment
My Info
Performance
Dashboard
Directory
Maintenance
Employee Information
Employee Name
Type for hints...
Employee Id
Employment Status
-- Select --
Include
Current Empl...
Supervisor Name
Type for hints...
Job Title
-- Select --
Sub Unit
-- Select --
Reset
Search
+ Add

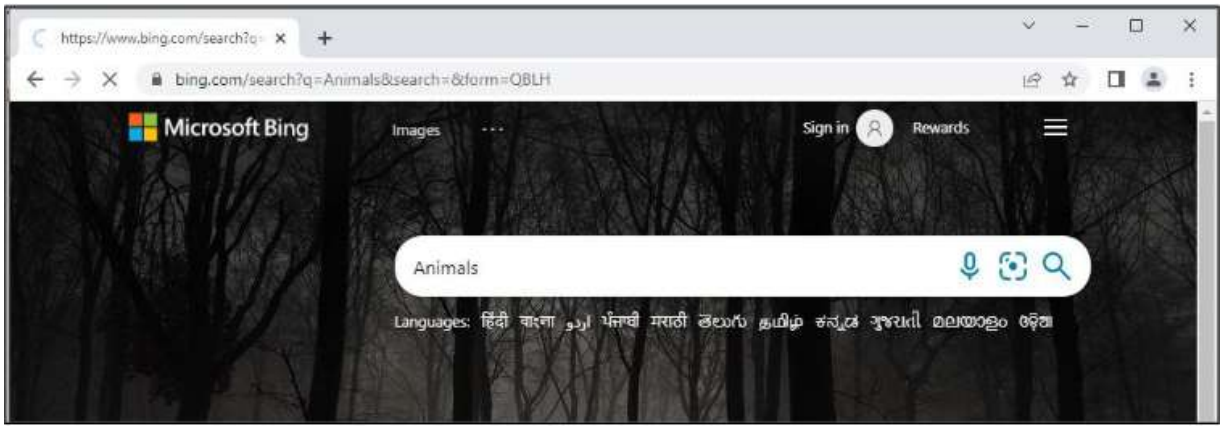
Practical no. –

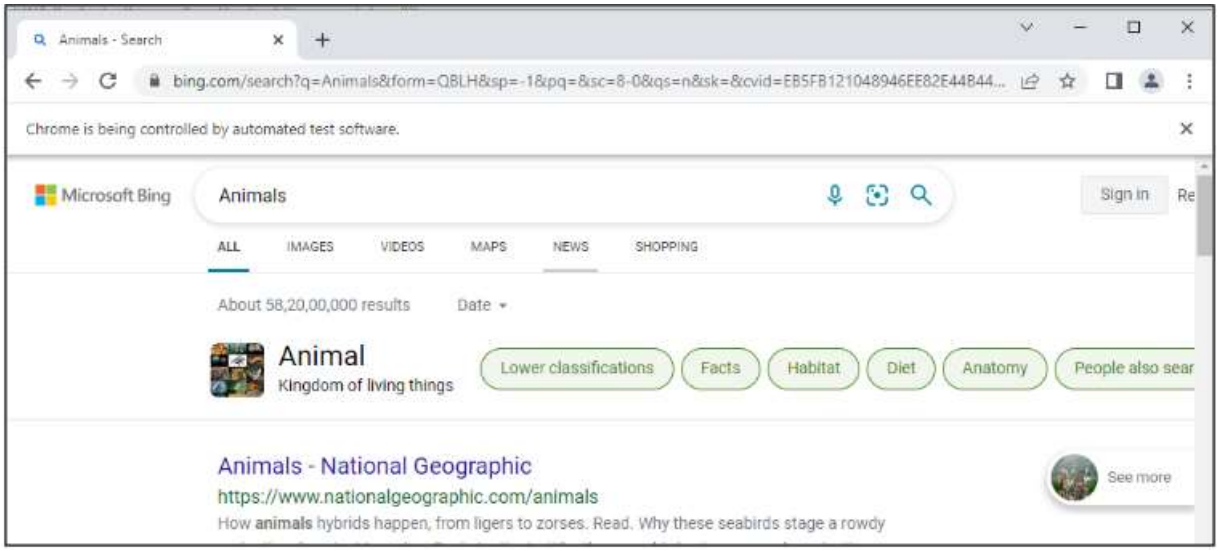
Aim : Demonstrate validation testing.

Source code :

```
package pack;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class Bing { public static void main(String[] args)throws Exception {
System.setProperty("webdriver.chrome.driver","C:\\Users\\mcala
b-1\\Documents\\STQA_Practicals\\Vishal\\chromedriver_win32\\chromedri
ver.exe"); WebDriver wd=new ChromeDriver(); wd.get("https://www.bing.com/");
Thread.sleep(2000); wd.findElement(By.id("sb_form_q")).sendKeys("Animals");
wd.findElement(By.id("sb_form_q")).sendKeys(Keys.ENTER);}}
```

Output :




Animals - Search
bing.com/search?q=Animals&form=QBLH&sp=-1&pq=&sc=8-0&qs=n&sk=&cvid=EB5FB121048946EE82E44B44...
Chrome is being controlled by automated test software.
Microsoft Bing
Animals
Sign in
ALL
IMAGES
VIDEOS
MAPS
NEWS
SHOPPING
About 58,20,00,000 results
Date
Animal
Kingdom of living things
Lower classifications
Facts
Habitat
Diet
Anatomy
People also sear
Animals - National Geographic
https://www.nationalgeographic.com/animals
How animals hybrids happen, from ligers to zorses. Read. Why these seabirds stage a rowdy
See more

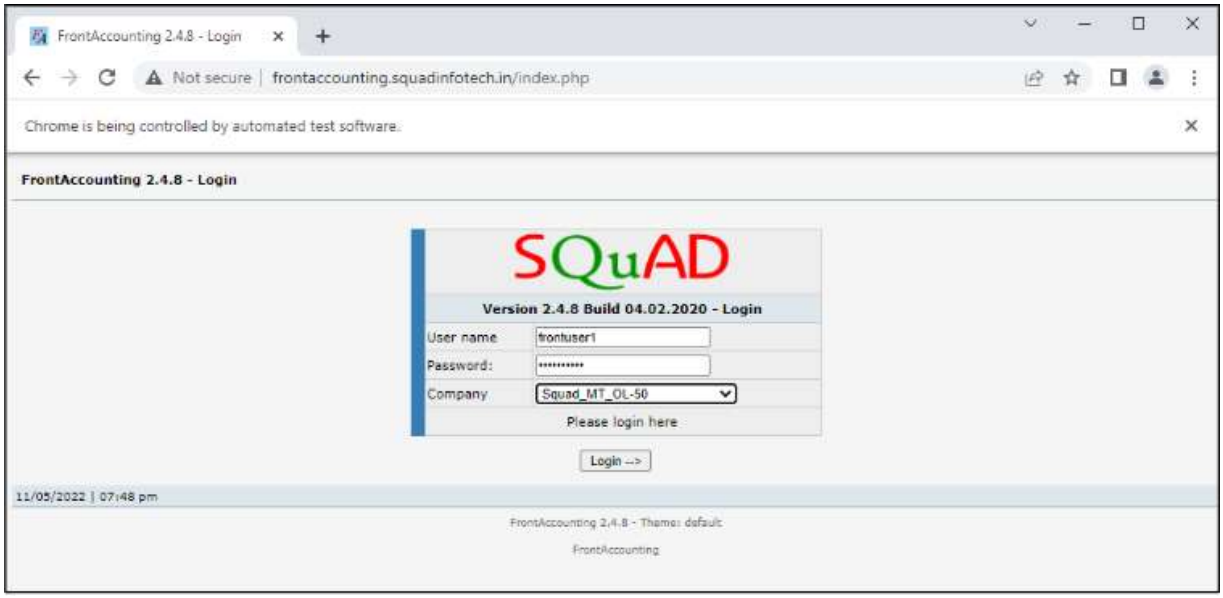
Practical no. –

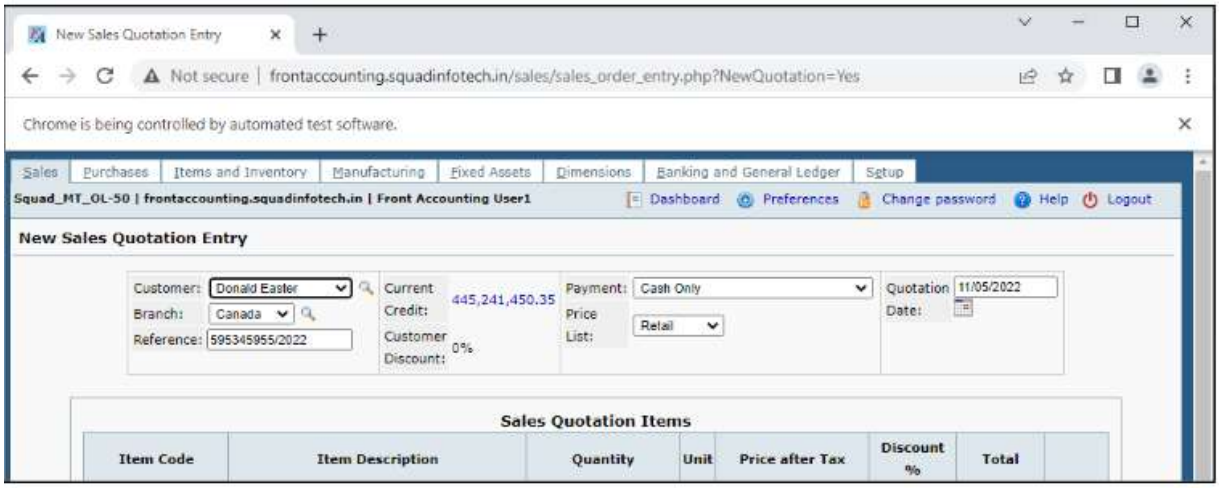
Aim : A] Demonstrate Handling multiple window in selenium.

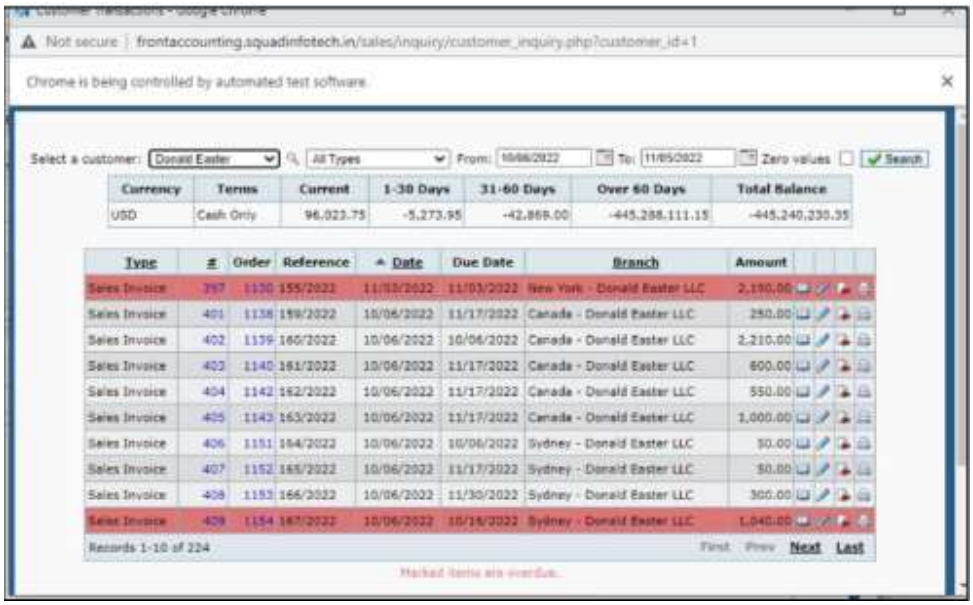
Source code :

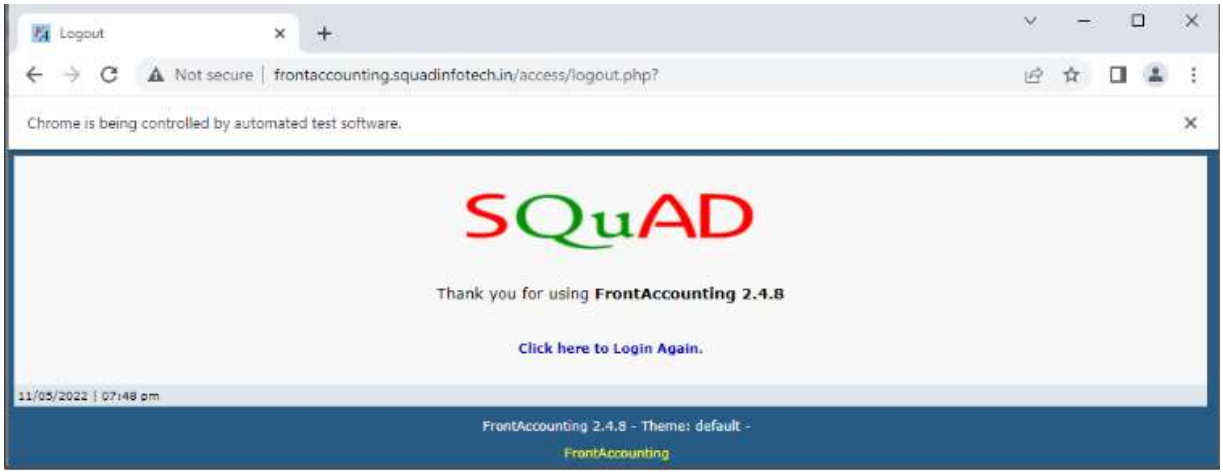
```
package practicals;
import java.util.Set;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class WindowHandling
{public static void main(String[] args)throws Exception {
System.setProperty("webdriver.chrome.driver","D:\\vishal\\My_Seleniu
m_Drivers\\My_Selenium_Drivers\\chromedriver.exe");
WebDriver wd=new ChromeDriver();
wd.get("http://frontaccounting.squadinfotech.in/index.php");
Thread.sleep(3000);
wd.findElement(By.name("user_name_entry_field")).sendKeys("frontuser
1");wd.findElement(By.name("password")).sendKeys("frontuser1");
Select s = new Select(wd.findElement(By.name("company_login_name")));
s.selectByVisibleText("Squad_MT_OL-50"); wd.findElement(By.name("SubmitUser")).click();
wd.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tb
ody/tr/td/div[2]/table/tbody/tr[1]/td/table/tbody/tr[2]/td[1]/a[1]")
).click(); String pid = wd.getWindowHandle();
System.out.println("Parent ID : " + pid);
wd.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tb
ody/tr/td/div[2]/form/center[1]/table/tbody/tr/td[2]/table/tbody/tr[
1]/td[2]/a")).click();
Set<String> allwin = wd.getWindowHandles();
for(String W:allwin){wd.switchTo().window(W); System.out.println(wd.getTitle());
if(!(W.equals(pid)))
{Select ss = new
Select(wd.findElement(By.id("customer_id")));
ss.selectByIndex(0);
wd.manage().window().maximize();
wd.close();}
wd.switchTo().window(pid);
Thread.sleep(3000);
wd.findElement(By.linkText("Logout")).click();
Thread.sleep(3000);
wd.close();}}
```

Output :


FrontAccounting 2.4.8 - Login
Not secure | frontaccounting.squadinfotech.in/index.php
Chrome is being controlled by automated test software.
FrontAccounting 2.4.8 - Login
SQuAD
Version 2.4.8 Build 04.02.2020 - Login
User name
frontuser1
Password:
Company
Squad_MT_OL-50
Please login here
Login -->
11/05/2022 | 07:48 pm
FrontAccounting 2.4.8 - Theme: default
FrontAccounting


New Sales Quotation Entry
Not secure | frontaccounting.squadinfotech.in/sales/sales_order_entry.php?NewQuotation=Yes
Chrome is being controlled by automated test software.
Sales
Purchases
Items and Inventory
Manufacturing
Fixed Assets
Dimensions
Banking and General Ledger
Setup
Squad_MT_OL-50 | frontaccounting.squadinfotech.in | Front Accounting User1
Dashboard
Preferences
Change password
Help
Logout
New Sales Quotation Entry
Customer:
Donald Easter
Branch:
Canada
Reference:
595345955/2022
Current Credit:
445,241,450.35
Customer Discount:
0%
Payment:
Cash Only
Price List:
Retail
Quotation Date:
11/05/2022
Sales Quotation Items
Item Code
Item Description
Quantity
Unit
Price after Tax
Discount %
Total


Not secure | frontaccounting.squadinfotech.in/sales/inquiry/customer_inquiry.php?customer_id=1
Chrome is being controlled by automated test software.
Select a customer: Donald Easter
All Types
From: 10/06/2022
To: 11/05/2022
Zero values
Search
Currency | Terms | Current | 1-30 Days | 31-60 Days | Over 60 Days | Total Balance
USD | Cash Only | 96,023.75 | -5,273.95 | -42,868.00 | -445,288,111.15 | -445,240,230.35
Type | # | Order | Reference | Date | Due Date | Branch | Amount
Sales Invoice | 397 | 1130 | 155/2022 | 11/03/2022 | 11/03/2022 | New York - Donald Easter LLC | 2,190.00
Sales Invoice | 401 | 1138 | 159/2022 | 10/06/2022 | 11/17/2022 | Canada - Donald Easter LLC | 250.00
Sales Invoice | 402 | 1139 | 160/2022 | 10/06/2022 | 10/06/2022 | Canada - Donald Easter LLC | 2,210.00
Sales Invoice | 403 | 1140 | 161/2022 | 10/06/2022 | 11/17/2022 | Canada - Donald Easter LLC | 600.00
Sales Invoice | 404 | 1142 | 162/2022 | 10/06/2022 | 11/17/2022 | Canada - Donald Easter LLC | 550.00
Sales Invoice | 405 | 1143 | 163/2022 | 10/06/2022 | 11/17/2022 | Canada - Donald Easter LLC | 1,000.00
Sales Invoice | 406 | 1151 | 164/2022 | 10/06/2022 | 10/06/2022 | Sydney - Donald Easter LLC | 50.00
Sales Invoice | 407 | 1152 | 165/2022 | 10/06/2022 | 11/17/2022 | Sydney - Donald Easter LLC | 50.00
Sales Invoice | 408 | 1153 | 166/2022 | 10/06/2022 | 11/30/2022 | Sydney - Donald Easter LLC | 300.00
Sales Invoice | 409 | 1154 | 167/2022 | 10/06/2022 | 10/16/2022 | Sydney - Donald Easter LLC | 1,040.00
Records 1-10 of 224
First Prev Next Last
Marked items are overdue.


Logout
Not secure | frontaccounting.squadinfotech.in/access/logout.php?
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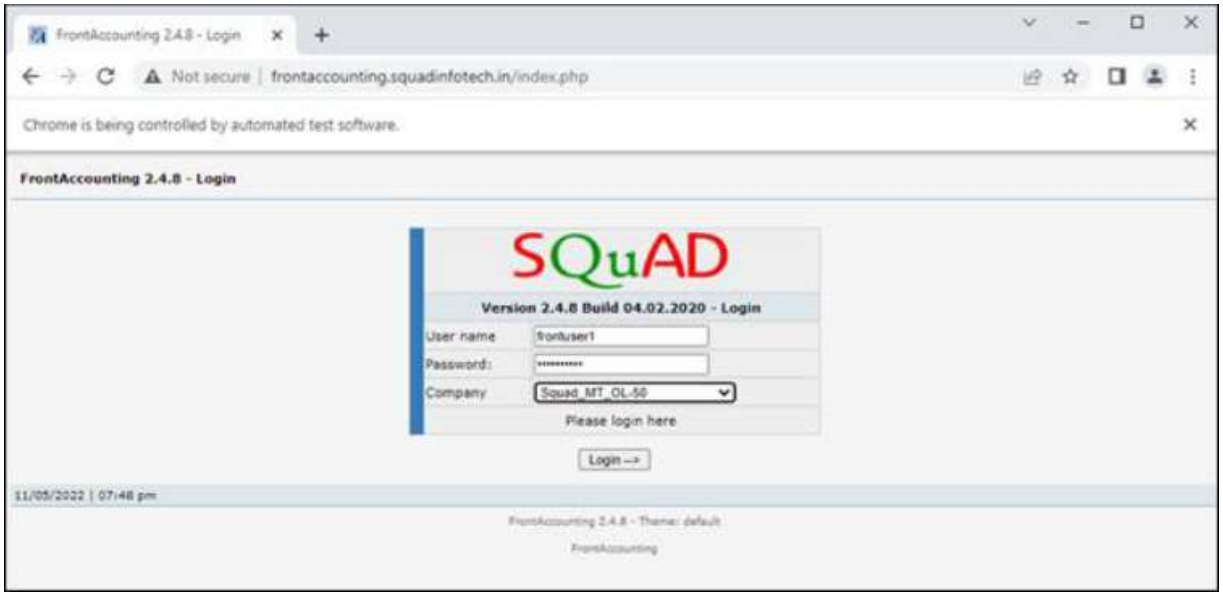
SQuAD
Thank you for using FrontAccounting 2.4.8
Click here to Login Again.
11/05/2022 | 07:48 pm
FrontAccounting 2.4.8 - Theme: default -
FrontAccounting

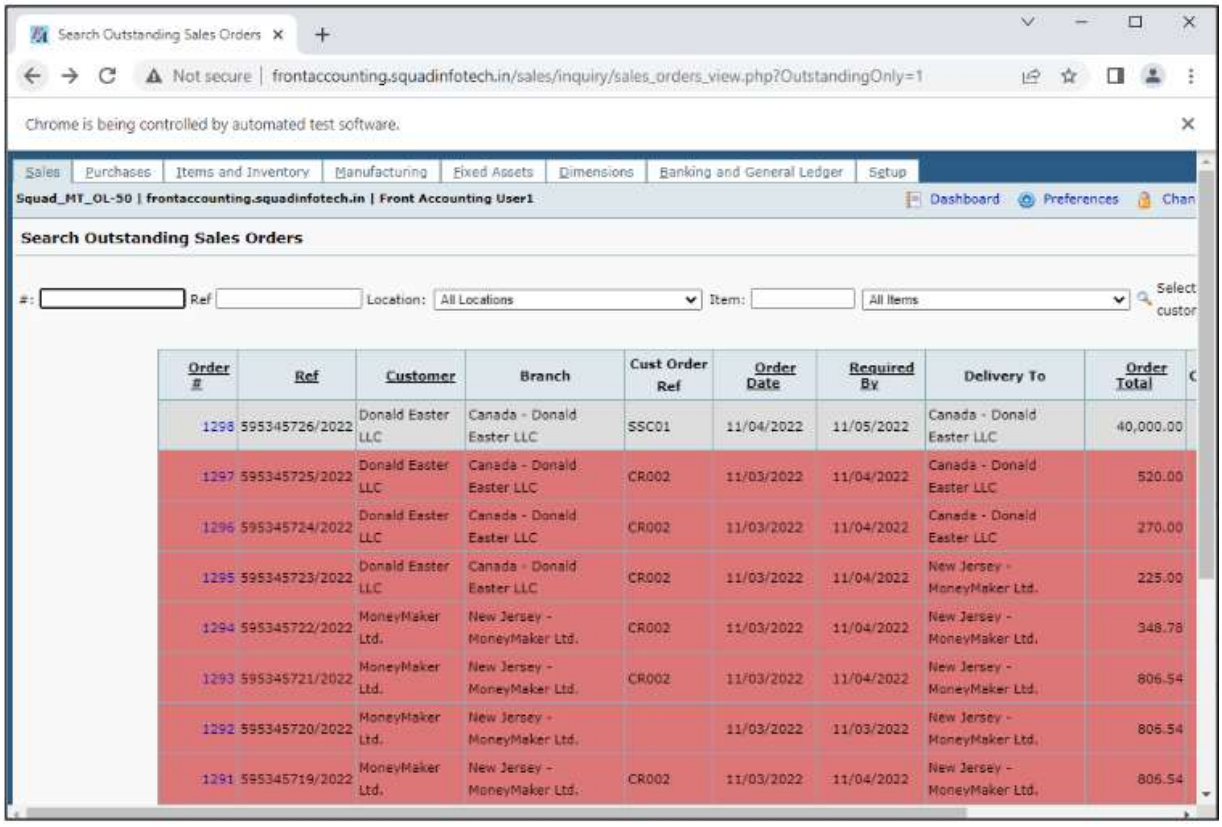
B] Window handling.

Source code :

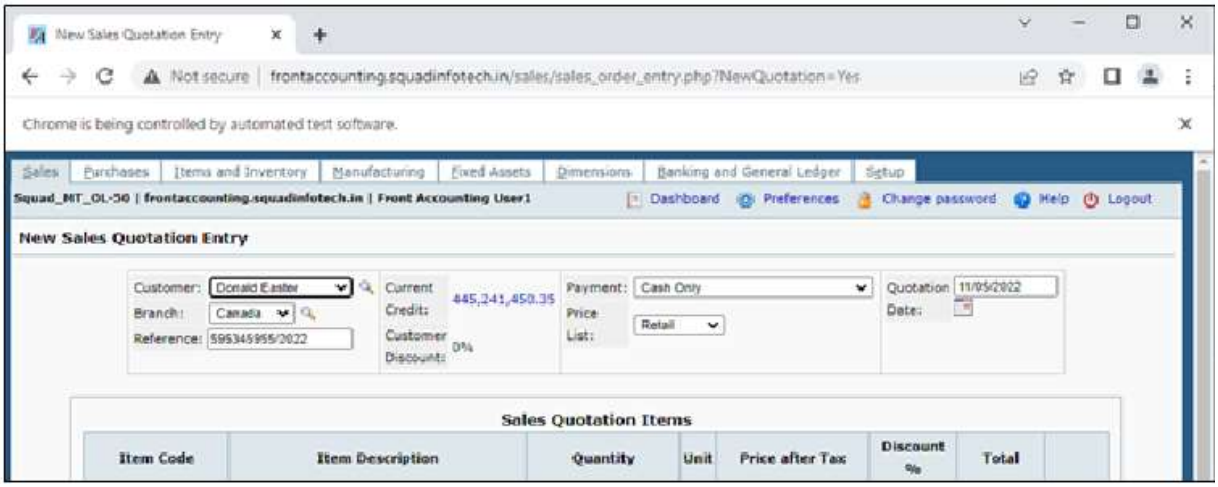
```
package practicals;
import java.util.Set;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class WindowsHandlingPracticse {
public static void main(String[] args)throws Exception {
// TODO Auto-generated method stub
System.setProperty("webdriver.chrome.driver","D:\\vishal\\My_Seleniu
m_Drivers\\My_Selenium_Drivers\\chromedriver.exe");
WebDriver wd=new ChromeDriver();
wd.get("http://frontaccounting.squadinfotech.in/index.php");
Thread.sleep(3000);wd.findElement(By.name("user_name_entry_field")).sendKeys("frontuser
1");wd.findElement(By.name("password")).sendKeys("frontuser1");
Select s = new Select(wd.findElement(By.name("company_login_name")));
s.selectByVisibleText("Squad_MT_OL-50");
wd.findElement(By.name("SubmitUser")).click();
wd.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tb
ody/tr/td/div[2]/table/tbody/tr[1]/td/table/tbody/tr[2]/td[1]/a[5]")
).click();String pid = wd.getWindowHandle();
System.out.println("Parent ID : " + pid);
wd.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tb
ody/tr/td/table/tbody/tr/td/table[1]/tbody/tr/td/div/a[2]")).click();
wd.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tb
ody/tr/td/div[2]/table/tbody/tr[1]/td/table/tbody/tr[2]/td[1]/a[1]")
).click();Set<String> allwin = wd.getWindowHandles();
for(String W:allwin){wd.switchTo().window(W);System.out.println(wd.getTitle());
if(!(W.equals(pid))){Select ss = newSelect(wd.findElement(By.id("supplier_id")));
ss.selectByIndex(1);wd.manage().window().maximize();
wd.close();}}wd.switchTo().window(pid);
Thread.sleep(4000);wd.findElement(By.linkText("Logout")).click();
Thread.sleep(4000);wd.close();}}
```

Output :





Order #	Ref	Customer	Branch	Cust Order Ref	Order Date	Required By	Delivery To	Order Total
1298	595345726/2022	Donald Easter LLC	Canada - Donald Easter LLC	SSC01	11/04/2022	11/05/2022	Canada - Donald Easter LLC	40,000.00
1297	595345725/2022	Donald Easter LLC	Canada - Donald Easter LLC	CR002	11/03/2022	11/04/2022	Canada - Donald Easter LLC	520.00
1296	595345724/2022	Donald Easter LLC	Canada - Donald Easter LLC	CR002	11/03/2022	11/04/2022	Canada - Donald Easter LLC	270.00
1295	595345723/2022	Donald Easter LLC	Canada - Donald Easter LLC	CR002	11/03/2022	11/04/2022	New Jersey - MoneyMaker Ltd.	225.00
1294	595345722/2022	MoneyMaker Ltd.	New Jersey - MoneyMaker Ltd.	CR002	11/03/2022	11/04/2022	New Jersey - MoneyMaker Ltd.	348.78
1293	595345721/2022	MoneyMaker Ltd.	New Jersey - MoneyMaker Ltd.	CR002	11/03/2022	11/04/2022	New Jersey - MoneyMaker Ltd.	806.54
1292	595345720/2022	MoneyMaker Ltd.	New Jersey - MoneyMaker Ltd.		11/03/2022	11/03/2022	New Jersey - MoneyMaker Ltd.	806.54
1291	595345719/2022	MoneyMaker Ltd.	New Jersey - MoneyMaker Ltd.	CR002	11/03/2022	11/04/2022	New Jersey - MoneyMaker Ltd.	806.54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Not secure | frontaccounting.squadinfotech.in/sales/sales_order_entry.php?NewQuotation=Yes
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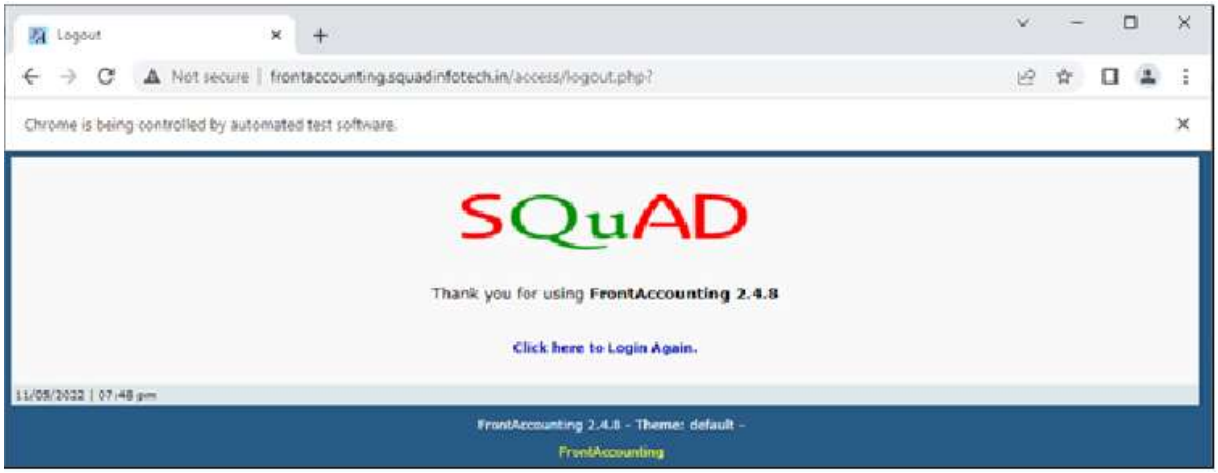
Sales
Purchases
Items and Inventory
Manufacturing
Fixed Assets
Dimensions
Banking and General Ledger
Setup
Squad_MT_OL-30 | frontaccounting.squadinfotech.in | Front Accounting User1
Dashboard
Preferences
Change password
Help
Logout
New Sales Quotation Entry
Customer:
Donald Easter
Branch:
Canada
Reference:
595345955/2022
Current Credit:
445,241,450.35
Customer Discount:
0%
Payment:
Cash Only
Price List:
Retail
Quotation Date:
11/05/2022
Sales Quotation Items
Item Code
Item Description
Quantity
Unit
Price after Tax
Discount %
Total


Logout
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SQuAD
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FrontAccounting

Practical no. –

Aim : Perform regression testing.

Theory:

What is Regression Testing?
REGRESSION TESTING is defined as a type of software testing to confirm that a recent program or code change has not adversely affected existing features.
Regression Testing is nothing but a full or partial selection of already executed test cases which are re-executed to ensure existing functionalities work fine.
This testing is done to make sure that new code changes should not have side effects on the existing functionalities. It ensures that the old code still works once the latest code changes are done.
Need of Regression Testing
The Need of Regression Testing mainly arises whenever there is requirement to change the code and we need to test whether the modified code affects the other part of software application or not. Moreover, regression testing is needed, when a new feature is added to the software application and for defect fixing as well as performance issue fixing.
How to do Regression Testing
In order to do Regression Testing process, we need to first debug the code to identify the bugs. Once the bugs are identified, required changes are made to fix it, then the regression testing is done by selecting relevant test cases from the test suite that covers both modified and affected parts of the code.
Software maintenance is an activity which includes enhancements, error corrections, optimization and deletion of existing features. These modifications may cause the system to work incorrectly. Therefore, Regression Testing becomes necessary.
Regression Test Selection
Regression Test Selection is a technique in which some selected test cases from test suite are executed to test whether the modified code affects the software application or not. Test cases are categorized into two parts, reusable test cases which can be used in further regression cycles and obsolete test cases which can not be used in succeeding cycles.