

Practical No : 01

Aim : To verify CareerMate's functionality using structured manual testing techniques.

Testcases :

Sr. No	Test ID	Action	Description	Input	Expected Output	Actual Output	Test Result	Test Comment
1	register_01	User Registration	Test new user sign-up flow	Valid username , email, password	Account should be created and should redirect to dashboard/log in	Success message is shown	Pass	Working as expected
2	register_02	Duplicate Registration	Check for duplicate email during registration	Already registered email	System should show "Email already exists" error	Error message is shown	Pass	Validation enforced
3	login_0 1	Login with valid credentials	Authenticate with correct credentials	Correct email and password	System should redirect to dashboard	User is redirected successfully	Pass	Login successful
4	login_0 2	Login with invalid credentials	Block incorrect login attempts	Wrong password	System should show "Incorrect credentials" error	Error message is shown	Pass	Login validation working
5	login_0 3	Forgot Password	Test password recovery process	Registered email address	System should display reset instructions or should send reset email	Message is shown	Pass	Flow implemented correctly
6	login_0 4	Logout	Verify logout clears session	Click logout button	System should redirect to login page	Logout is successful	Pass	Session cleared

7	job_01	View Jobs	Display job listings after login	Click “Jobs” tab	System should show available job listings	Listings are visible	Pass	Display correct
8	job_02	Search Jobs	Verify job search/filter works	Search keyword (e.g., React Developer)	Filtered job list should be shown	Filter results are accurate	Pass	Search functional
9	job_03	Apply to Job	Apply to selected job	Click “Apply”	System should show confirmation message or should move to “Applied” section	Confirmation is shown	Pass	Apply logic verified
10	resume_01	Upload Resume with valid file	Upload a valid resume file	Upload PDF file	System should show “Resume uploaded successfully”	Upload is successful	Pass	Functional
11	resume_02	Upload Resume with invalid file	Prevent upload of unsupported file types	Upload .exe, .js file	System should show “Invalid file type” error	Error message is shown	Pass	Security check passed
12	profile_01	Update Profile	Edit user details and save	Change name, skills, contact info	Updated profile should be displayed	Changes are saved	Pass	Update working
13	security_01	Unauthorized Dashboard Access	Prevent access without login	Visit dashboard URL without login	System should redirect to login page	Redirect is successful	Pass	Access control functional
14	uiux_01	Mobile View	Check layout responsiveness	Open in mobile browser/emulator	Layout should adjust without breaking	Responsive layout is visible	Pass	Mobile-friendly verified

Name : Lathika Kotian

Roll No. : 98

15	admin_01	Admin Login	Admin authentication with correct credentials	Valid admin login	System should redirect to admin dashboard	Admin is logged in	Pass	Admin role verified
16	admin_02	Admin Adds Job	Test job posting via admin panel	Fill job form and submit	Job should appear in job listings	Job is listed	Pass	Create functionality works
17	admin_03	Admin Deletes Job	Remove a job posting from system	Click delete on a job	Job should be deleted from DB and UI	Job is removed	Pass	Delete logic confirmed

Practical No : 02

Aim : Implement web drivers on chrome and Firefoxbrowser(chrome, Firefox,choose browser)

CODE :

```
package com.gh;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

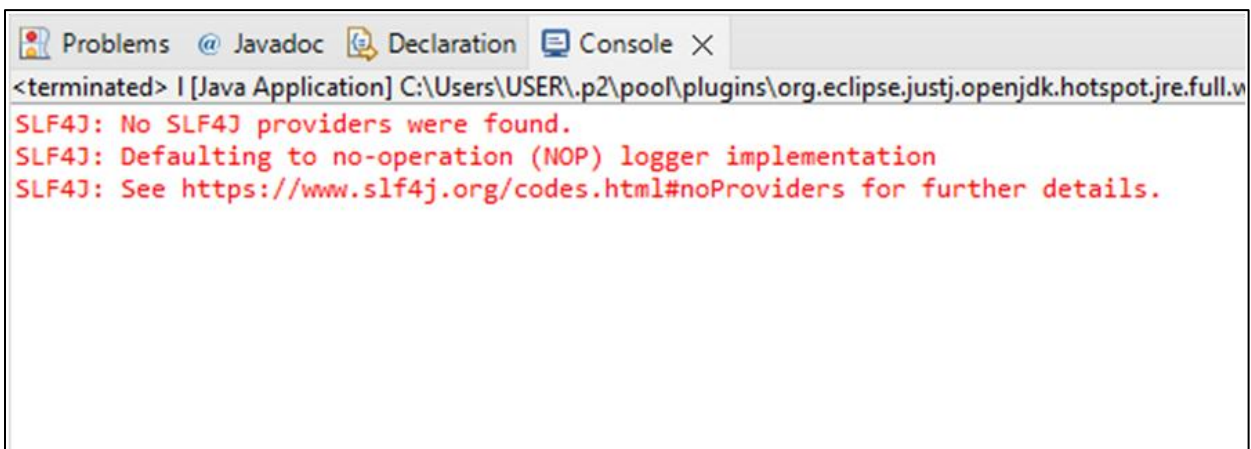
public class l {

    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-
win64\\geckodriver.exe");
        WebDriver wd = new FirefoxDriver();
        wd.get("http://google.com");

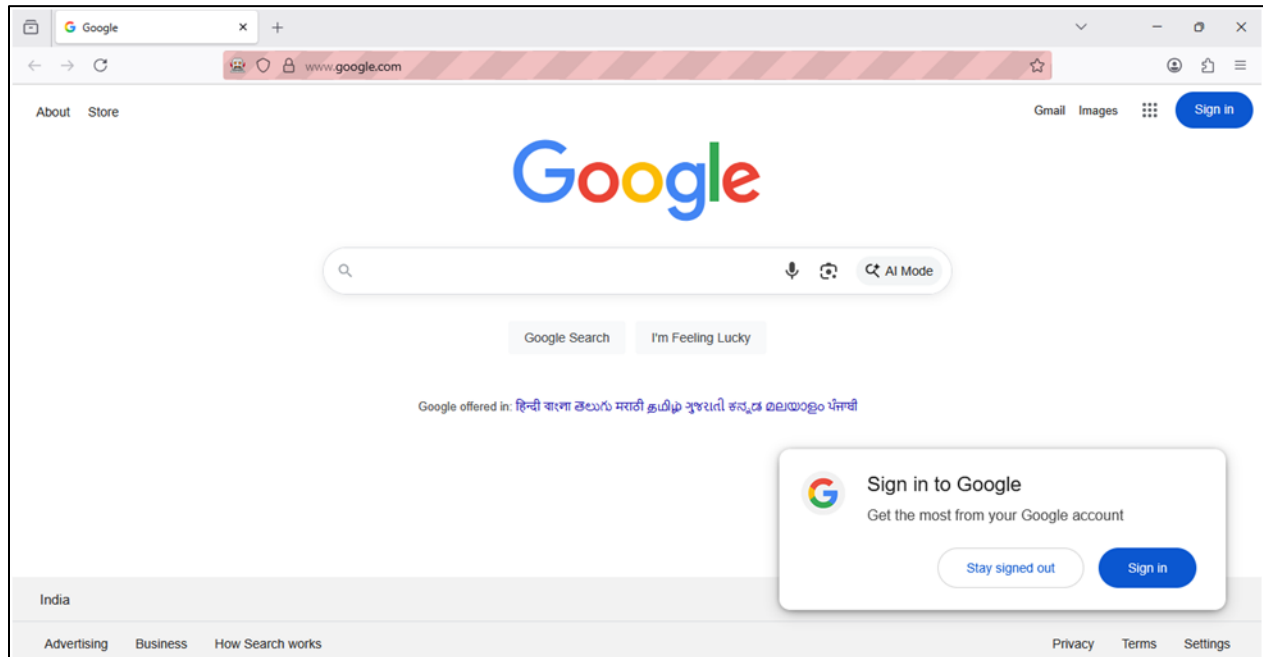
    }
}
```

A) Chrome

OUTPUT :

The screenshot shows the Eclipse IDE's Console window. The title bar includes 'Problems', 'Javadoc', 'Declaration', and 'Console'. The console output shows a Java application terminated and three SLF4J-related messages in red text: 'No SLF4J providers were found.', 'Defaulting to no-operation (NOP) logger implementation', and a link to the SLF4J website for further details.

```
<terminated> I [Java Application] C:\Users\USER\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.v
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
```



B) FireFox

CODE :

```
package com.prac2;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

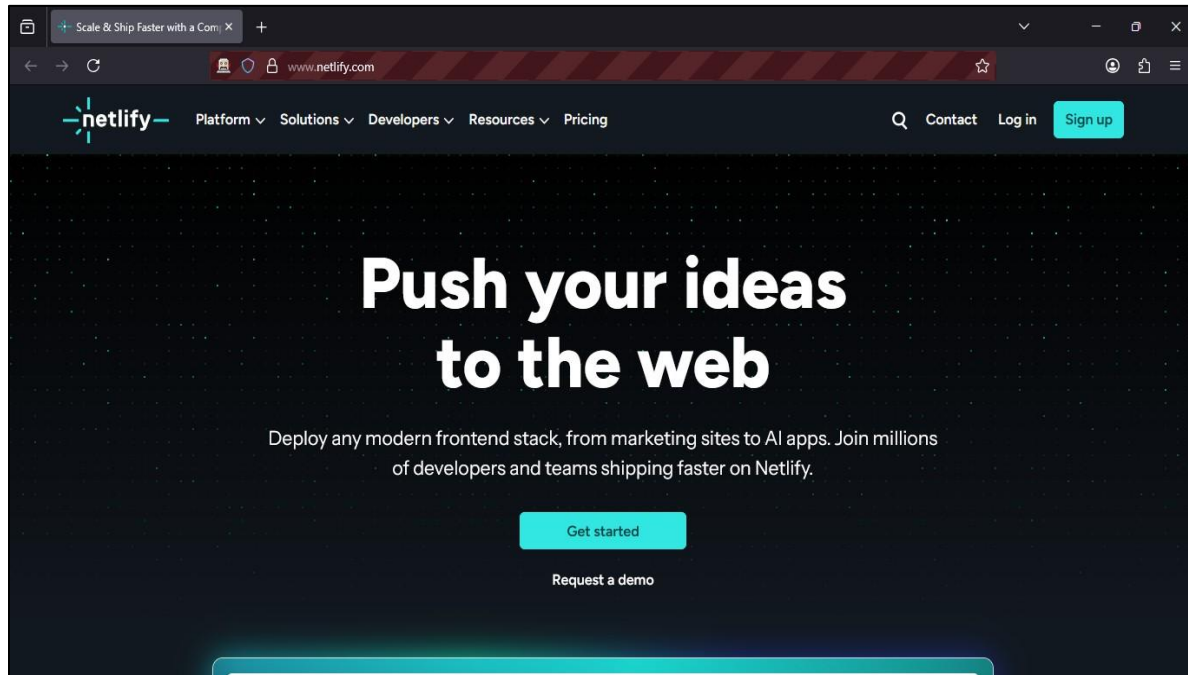
public class Practical2 {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "C:\\selenium
webdriver\\ChromeDriver\\chromedriver-win64\\chromedriver-
win64\\geckodriver.exe");

        WebDriver wd = new FirefoxDriver();
        wd.get("http://netlify.com");
    }
}
```

Name : Lathika Kotian

Roll No. : 98

OUTPUT :



C) Any Browser

```
package prati;
import java.util.Scanner;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

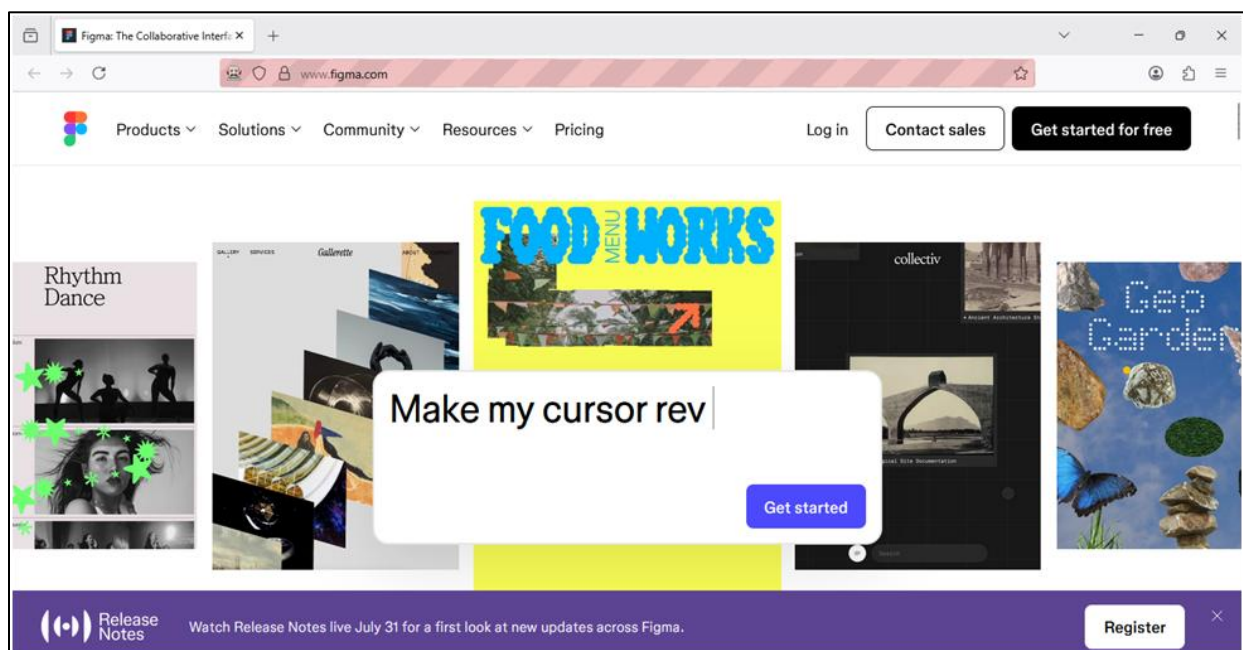
public class Browser {
    static WebDriver wd;
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        System.out.println("Welcome");
        System.out.println("1.Chrome\n2.Firefox\n");
        System.out.println("Choice");
        int ch = sc.nextInt();
        sc.close();
        switch (ch) {
            case 1:
                System.setProperty("webdriver.chrome.driver", "C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-win64\\chromedriver.exe");
                wd = new ChromeDriver();
                break;
            case 2:
                System.setProperty("webdriver.chrome.driver", "C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-win64\\geckodriver.exe");
                wd = new FirefoxDriver();
                break;
            default:
                System.out.println("Invalid Choice");
        }
        if (wd != null) {
            wd.get("http://figma.com");
        }
    }
}
```

OUTPUT :

```
Problems @ Javadoc Declaration Console X
Browser [Java Application] C:\Users\USER\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_2
Welcome
1.Chrome
2.Firefox

Choice
2
```



Practical No : 03

Aim : Demonstrate wait command in selenium.

Code :

```
package lathika98;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait;
import
org.openqa.selenium.support.ui.ExpectedConditions;

import java.time.Duration;
public class OrderPlace {
    public static void main(String[] args) {

        //Set path for GeckoDriver (Firefox)
        System.setProperty("webdriver.gecko.driver", "C:\\selenium
web driver\\ChromeDriver\\chromedriver-win64\\geckodriver.exe");

        WebDriver wd = new FirefoxDriver();

        // Open the demo FrontAccounting site
        wd.get("https://demo.frontaccounting.eu/");

        // Wait for elements to load
        WebDriverWait wait = new WebDriverWait(wd, Duration.ofSeconds(10));
        // Login
        wait.until(ExpectedConditions.visibilityOfElementLocated(By.name("user_name_entry_field")))
        .sendKeys("your_username");

        wait.until(ExpectedConditions.visibilityOfElementLocated(By.name("password"))).sendKeys("y
our_password");

        // Select company (if applicable)
        Select companySelect = new
```

```

Select(wd.findElement(By.name("company_login_name")));
    // companySelect.selectByVisibleText("Default Company"); //
Uncomment if selection needed

wd.findElement(By.name("SubmitUser")).click();

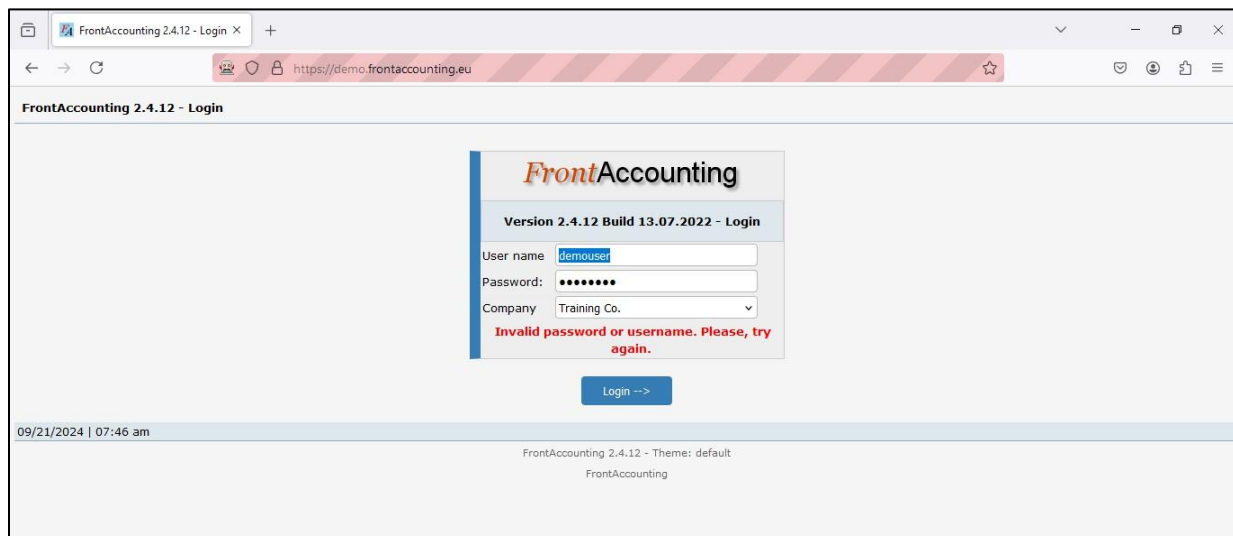
// Navigate to Sales -> Direct Sales Delivery (for example)
wait.until(ExpectedConditions.elementToBeClickable(
By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/div[2]/table/tbody/tr[1]/td/table/tbody/tr[2]/td[1]/a[1]"))
).click();

// Select a customer
Select customerSelect = new Select(wd.findElement(By.name("customer_id")));
customerSelect.selectByVisibleText("Donald Easter");

// Add item and process order
wd.findElement(By.name("AddItem")).click();
wd.findElement(By.name("ProcessOrder")).click();

// Close browser
wd.quit();
}
}

```

OUTPUT :

Name : Lathika Kotian

Roll No. : 98

New Sales Quotation Entry

Customer: Donald Easter Current Credit: -998,970.00 Payment: Cash Only Quotation Date: 12/31/2022
Branch: abcd Customer Discount: 0% Price List: Administrative
Reference: 98982511/2022

Item Code	Item Description	Quantity	Unit	Price after Tax	Discount %	Total	
	Samsung	1	each	0.00	0.0	0.00	Add Item
						Shipping Charge	0.00
						Sub-total	0.00
						Amount Total	0.00 Update

Cash payment

Deliver from Location: Default
Cash account: Petty Cash account
Comments:

Place Quotation Cancel Quotation

New Sales Quotation Entry

Quotation # 1241 has been entered.

[View This Quotation](#)
[Print This Quotation](#)
[Email This Quotation](#)
[Make Sales Order Against This Quotation](#)
[Enter a New Quotation](#)
[Back](#)

09/19/2024 | 05:10 pm
FrontAccounting 2.4.12 - Theme: default -
FrontAccounting

Practical No : 04

Aim : Implement Browser command and Navigation commands

CODE :

```
package com.prac4;

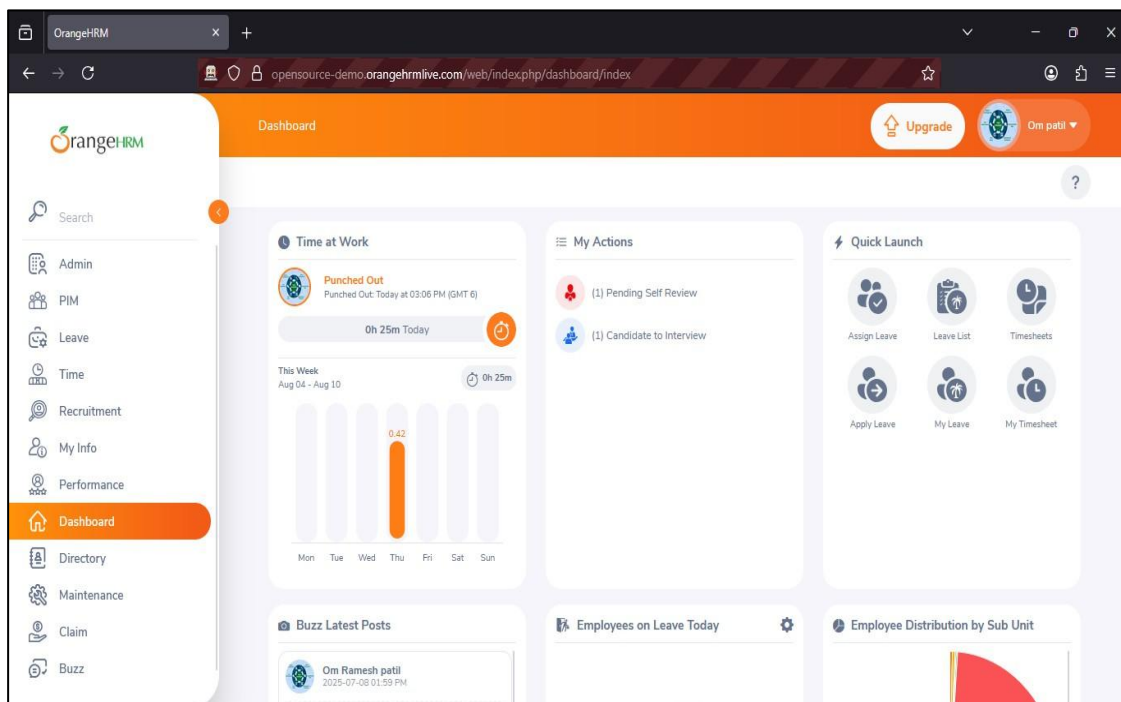
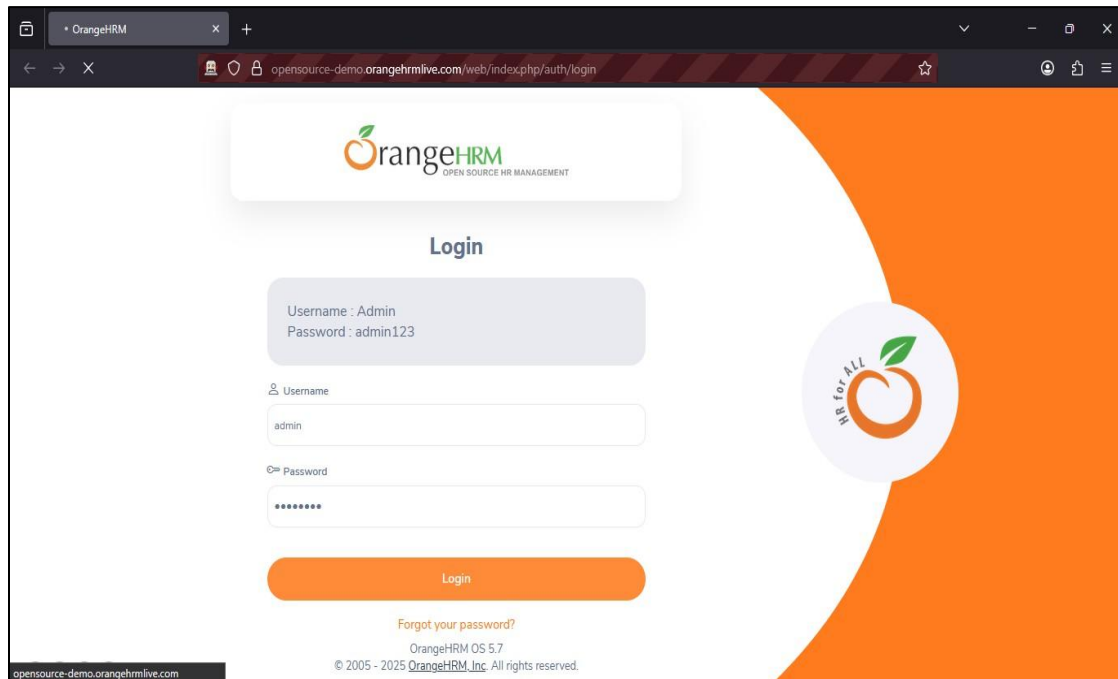
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
public class Prac4 {
    public static void main(String[] args) throws Exception
    {
        System.setProperty("webdriver.chrome.driver","C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-
win64\\geckodriver.exe");
        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-demo.orangehrmlive.com/");
        Thread.sleep(3000);
        wd.findElement(By.name("username")).sendKeys("admin");
        wd.findElement(By.name("password")).sendKeys("admin123");

        wd.findElement(By.xpath("//*[@id=\"app\"]/div[1]/div/div[1]/div/div[2]/div[2]/form/div[3]/button")).click(
        ); Thread.sleep(2000);
        wd.navigate().back(); Thread.sleep(2000);
        wd.navigate().forward();
        wd.navigate().to("https://opensource-demo.orangehrmlive.com/");
        wd.navigate().refresh();
    }
}
```

Name : Lathika Kotian

Roll No. : 98

OUTPUT :



Practical No : 05

Aim : Implement the find element command.

CODE :

```
package com.prac5;

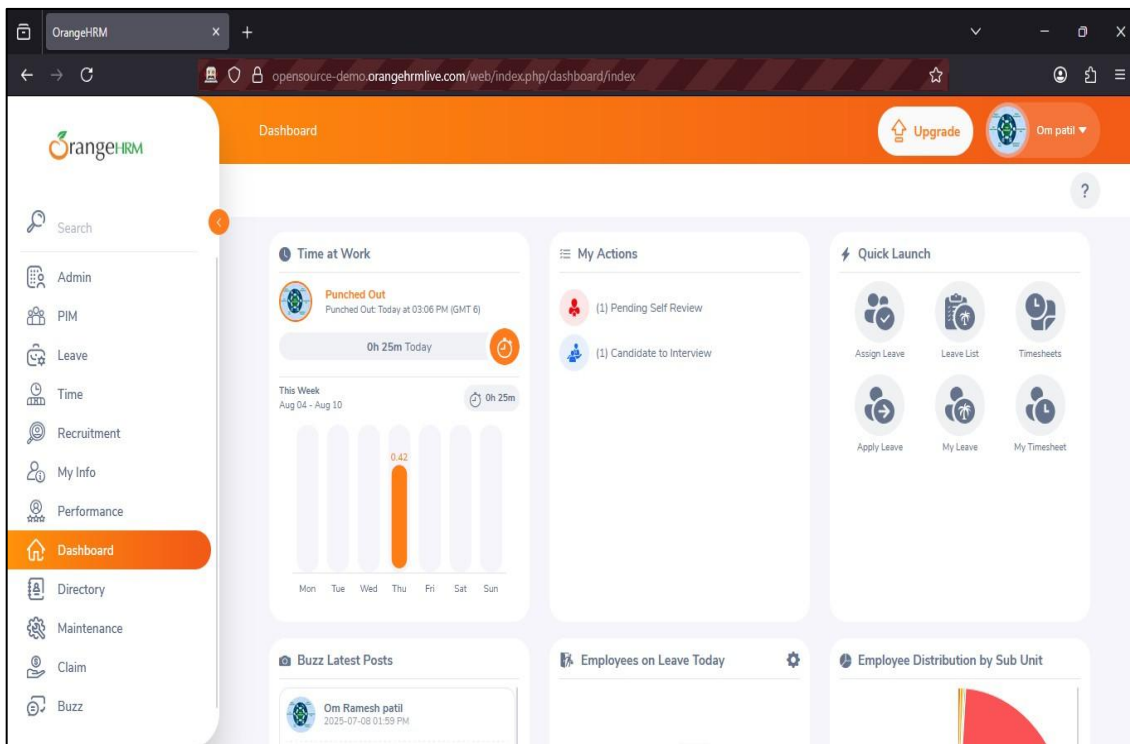
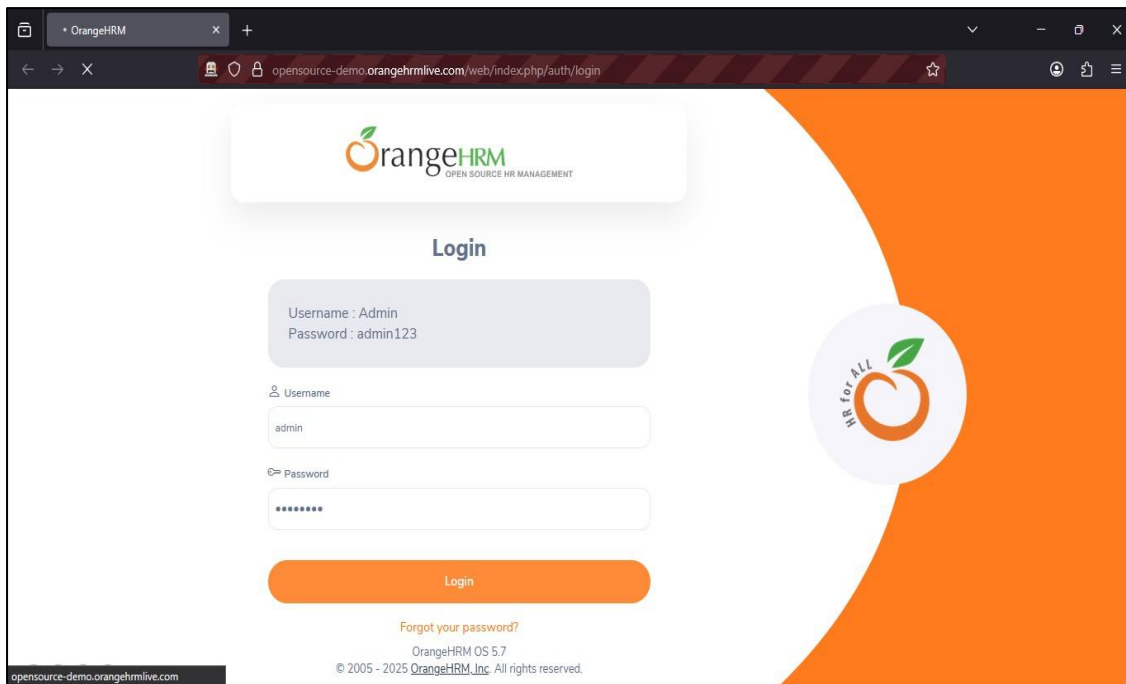
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import

org.openqa.selenium.firefox.FirefoxDriver

r; public class Practical5 {

    public static void main(String[] args) throws Exception
    {
System.setProperty("webdriver.chrome.driver","C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-
win64\\geckodriver.exe"); WebDriver wd = new FirefoxDriver();
wd.get("https://opensource-demo.orangehrmlive.com/");
    Thread.sleep(5000);
wd.findElement(By.xpath("/html/body/div/div[1]/div/div[1]/div/div[2]/div[2]/form/div[1]/div/div[2]/input"
)).sendKeys("ad min");
wd.findElement(By.xpath("/html/body/div/div[1]/div/div[1]/div/div[2]/div[2]/form/div[2]/div/div[2]/input"
)).sendKeys("ad min123");
wd.findElement(By.xpath("/html/body/div/div[1]/div/div[1]/div/div[2]/div[2]/form/div[3]/button")).click()
;
    }
}
```

OUTPUT :



Practical No : 6

AIM: Demonstrate the locator(CSS Selector,Xpath,path)

CODE:

```
package Lathika98;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
public class CssSelector {
    public static void main(String[] args) throws Exception {
        System.setProperty("webdriver.gecko.driver", "C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-
win64\\geckodriver.exe");

        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-
demo.orangehrmlive.com/");

        Thread.sleep(2000);
        wd.findElement(By.cssSelector("input[name='username']")).sendKeys("admi
n");
        wd.findElement(By.cssSelector("input[name='password']")).sendKeys("admi
n123"); wd.findElement(By.cssSelector("button[type='submit']")).click();
    }
}
```

1.cssSelector

OUTPUT :

Name : Lathika Kotian

Roll No. : 98

The image displays two screenshots of the OrangeHRM web application. The top screenshot shows the login page, and the bottom screenshot shows the dashboard.

Top Screenshot: Login Page

The login page features the OrangeHRM logo at the top center, with the tagline "OPEN SOURCE HR MANAGEMENT". Below the logo is a "Login" section with a form containing the following fields:

- Username: Admin
- Password: admin123

Below the form is a "Login" button. A link for "Forgot your password?" is located below the button. The footer of the login page includes the text "OrangeHRM OS 5.7" and "© 2005 - 2024 OrangeHRM, Inc. All rights reserved.".

Bottom Screenshot: Dashboard

The dashboard page shows a sidebar menu on the left with the following items: Admin, PIM, Leave, Time, Recruitment, My Info, Performance, Dashboard (highlighted), Directory, Maintenance, Claim, and Buzz. The main content area is divided into several sections:

- Time at Work:** Displays a "Punched Out" status for today at 12:56 PM (GMT 5.5), showing a total of 13h 34m today. Below this is a bar chart for the week of Sep 02 - Sep 08.
- My Actions:** Lists actions such as "(1) Timesheet to Approve", "(1) Pending Self Review", and "(1) Candidate to Interview".
- Quick Launch:** Provides shortcuts for "Assign Leave", "Leave List", "Timesheets", "Apply Leave", "My Leave", and "My Timesheet".
- Buzz Latest Posts:** Shows a post by Oliver Sven Hofer dated 2020-08-10 09:08 AM.
- Employees on Leave Today:** A section for tracking leave.
- Employee Distribution by Sub Unit:** A pie chart showing the distribution of employees across different sub-units.

B. XPath

```
package Lathika98;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

public class Practical4 {
    public static void main(String[] args) throws Exception {
        System.setProperty(
            "webdriver.gecko.driver",
            "C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-win64\\geckodriver.exe"
        );

        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-demo.orangehrmlive.com/");
        Thread.sleep(5000);

        wd.findElement(By.xpath("/html/body/div/div[1]/div/div[1]/div/div[2]/div[2]/form/div[1]/div/div[2]/input"))
        .sendKeys("admin");

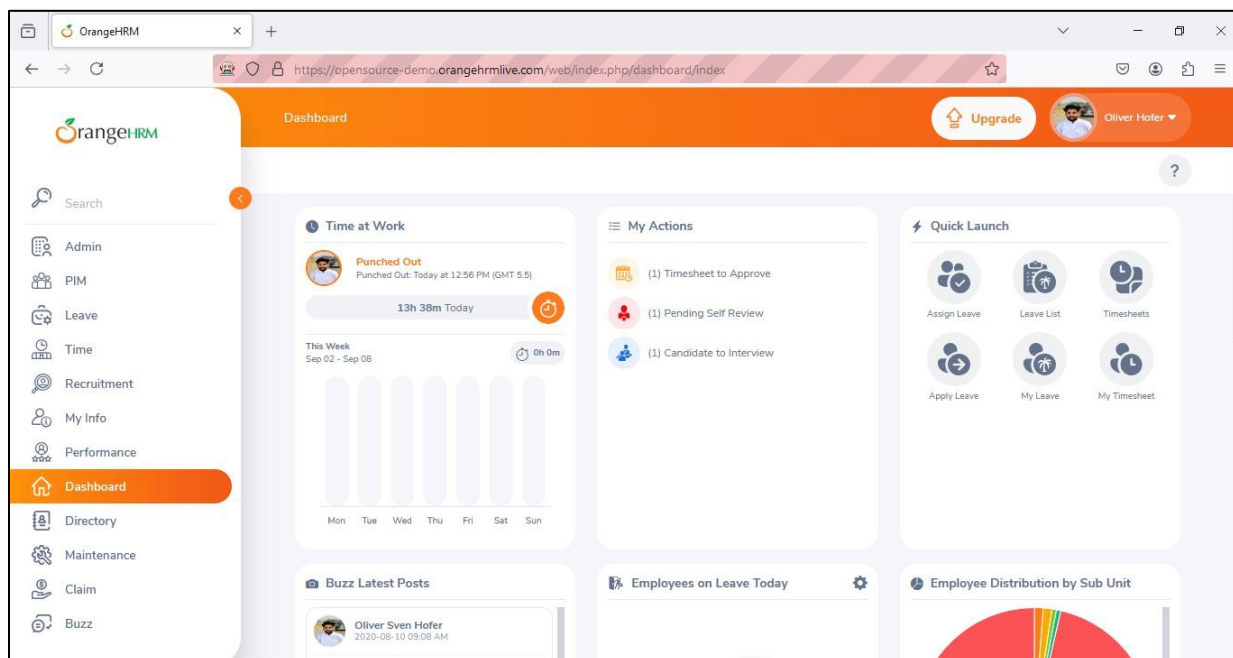
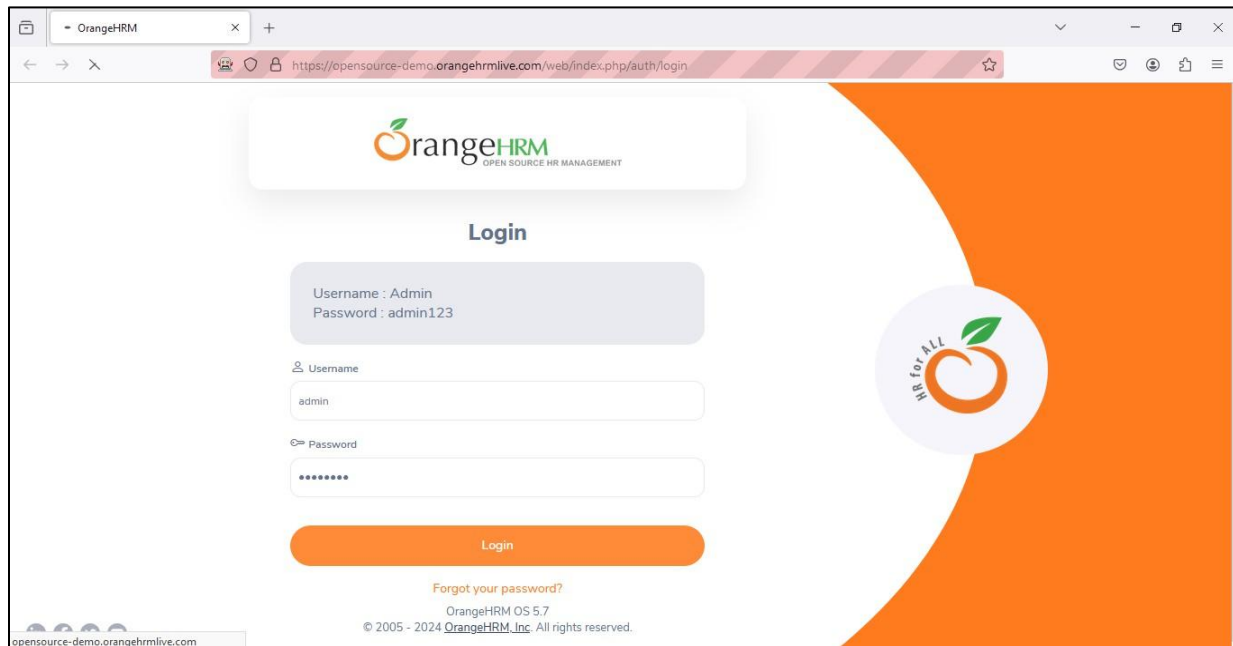
        wd.findElement(By.xpath("/html/body/div/div[1]/div/div[1]/div/div[2]/div[2]/form/div[2]/div/div[2]/input"))
        .sendKeys("admin123");

        wd.findElement(By.xpath("/html/body/div/div[1]/div/div[1]/div/div[2]/div[2]/form/div[3]/button")).click();
    }
}
```

Name : Lathika Kotian

Roll No. : 98

OUTPUT :



C. PathSelector

```
package Lathika98;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver; // Using Firefox driver

public class pathselector {
    public static void main(String[] args) throws Exception {

        // Set the system property for GeckoDriver (used by Firefox) System.setProperty(
        "webdriver.gecko.driver", "C:\\selenium
        web
        driver\\ChromeDriver\\chromedriver-win64\\chromedriver-win64\\geckodriver.exe"
        );

        // Initialize the Firefox WebDriver
        wd = new FirefoxDriver();

        // Open the OrangeHRM login page
        wd.get("https://opensource-demo.orangehrmlive.com/");

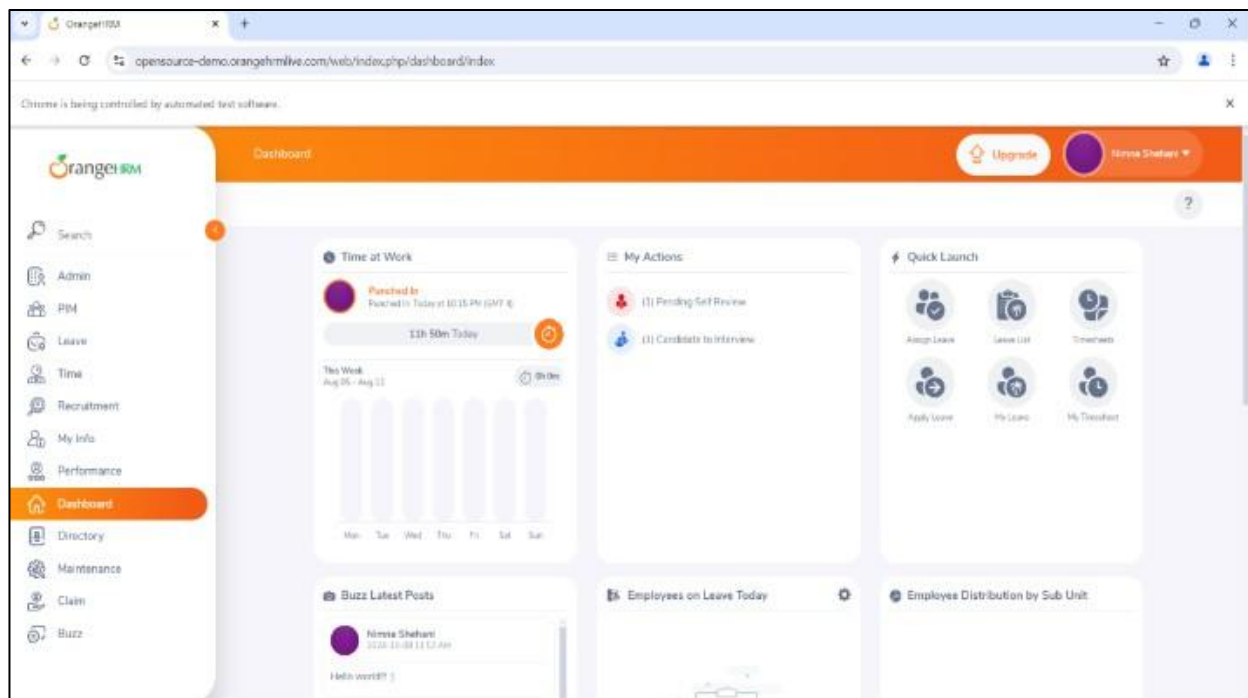
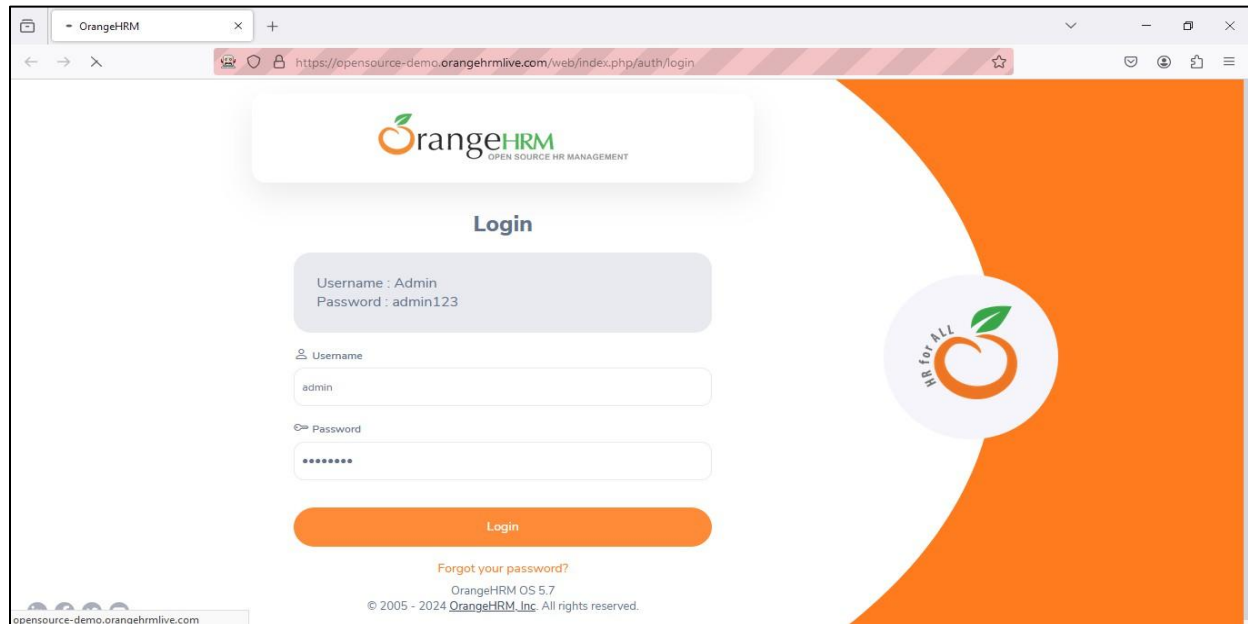
        // Wait for 2 seconds to ensure page loads
        Thread.sleep(2000);
        // Enter username in the username input field
        wd.findElement(By.xpath("//*[@id='app']/div[1]/div/div[1]/div/div[2]/div[2]/form/div[1]/div/div[2]/input"
        ))
            .sendKeys("admin");
        // Enter password in the password input field
        wd.findElement(By.xpath("//*[@id='app']/div[1]/div/div[1]/div/div[2]/div[2]/form/div[2]/div/div[2]/input"
        ))
            .sendKeys("admin123");

        // Click the login button
        wd.findElement(By.xpath("//*[@id='app']/div[1]/div/div[1]/div/div[2]/div[2]/form/div[3]/button"))
            .click();
    }
}
```

Name : Lathika Kotian

Roll No. : 98

OUTPUT :



Practical No : 7

AIM: Demonstrate Synchronisation in Selenium (Implicitly wait, Explicitly wait)

A.Implicity wait

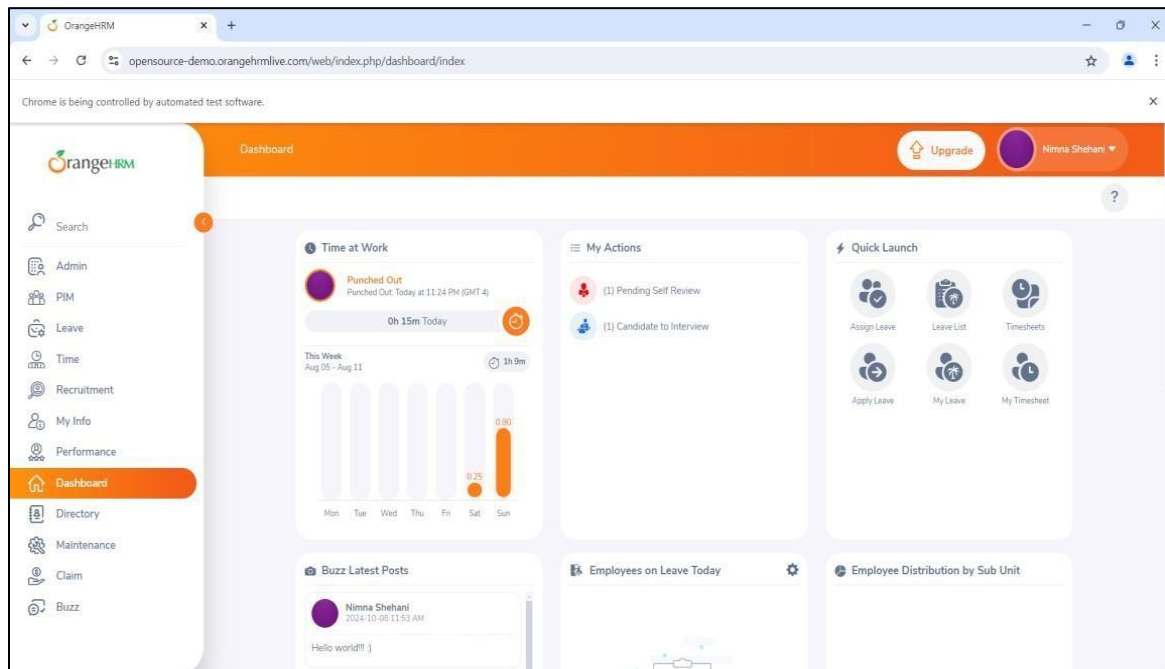
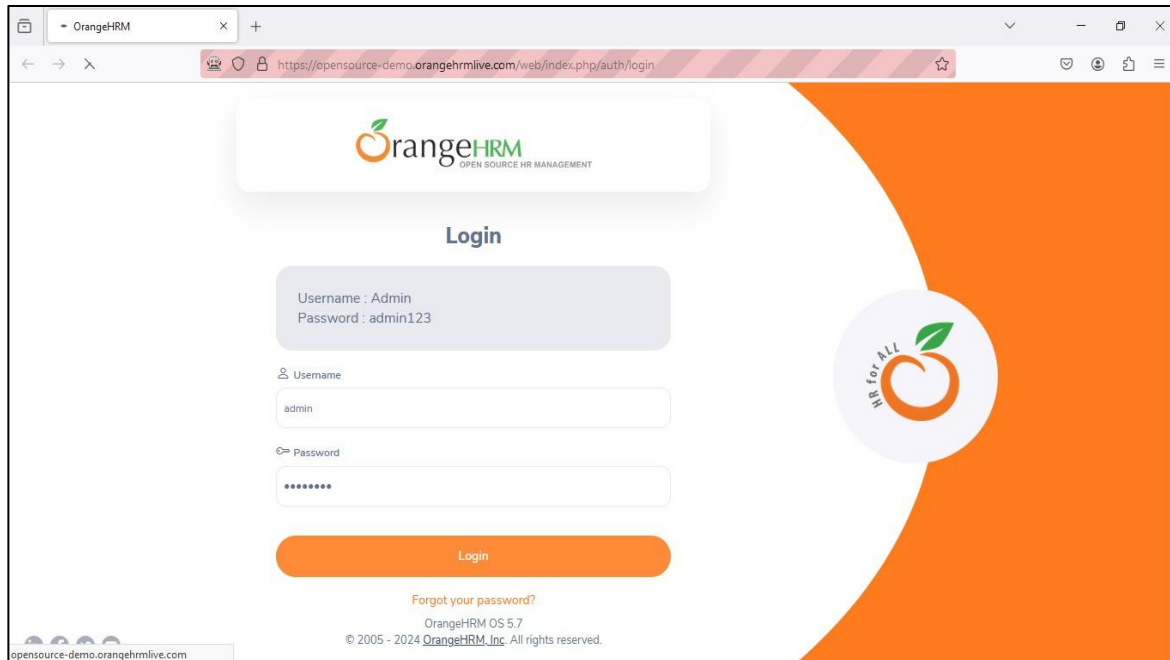
```
package Lathika98;

import
java.util.concurrent.TimeUnit;
import
org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import
org.openqa.selenium.firefox.FirefoxDriver;
public class Practical2 {
    @SuppressWarnings("deprecation")
    public static void main(String[] args) throws Exception {

        System.setProperty(
            "webdriver.gecko.driver",
            "C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-win64\\geckodriver.exe"
        );

        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-
demo.orangehrmlive.com/"); Thread.sleep(2000);

        wd.findElement(By.name("username")).sendKeys("adm
in");
        wd.findElement(By.name("password")).sendKeys("admi
n123"); wd.findElement(By.className("oxd-
button")).click(); wd.close();
    }
}
```

OUTPUT :

b.Explicitly wait

```
package Lathika98;

import java.time.Duration; import
org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class Practical3 {
    public static void main(String[] args) throws Exception {

        System.setProperty(
            "webdriver.gecko.driver", "C:\\selenium
            web
            driver\\ChromeDriver\\chromedriver-win64\\chromedriver-win64\\geckodriver.exe"
        );

        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-demo.orangehrmlive.com/");

        WebDriverWait wt = new WebDriverWait(wd, Duration.ofSeconds(30));

        wt.until(ExpectedConditions.visibilityOfElementLocated(By.name("username"))).sendKeys("admin");

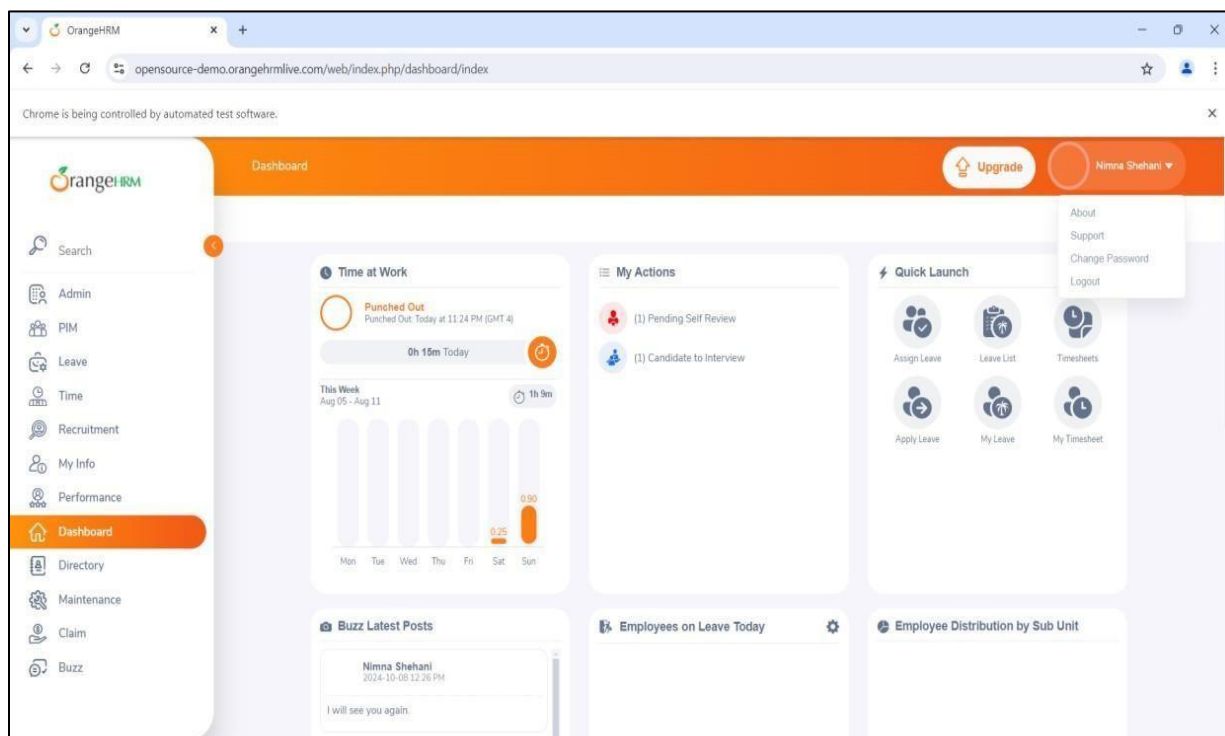
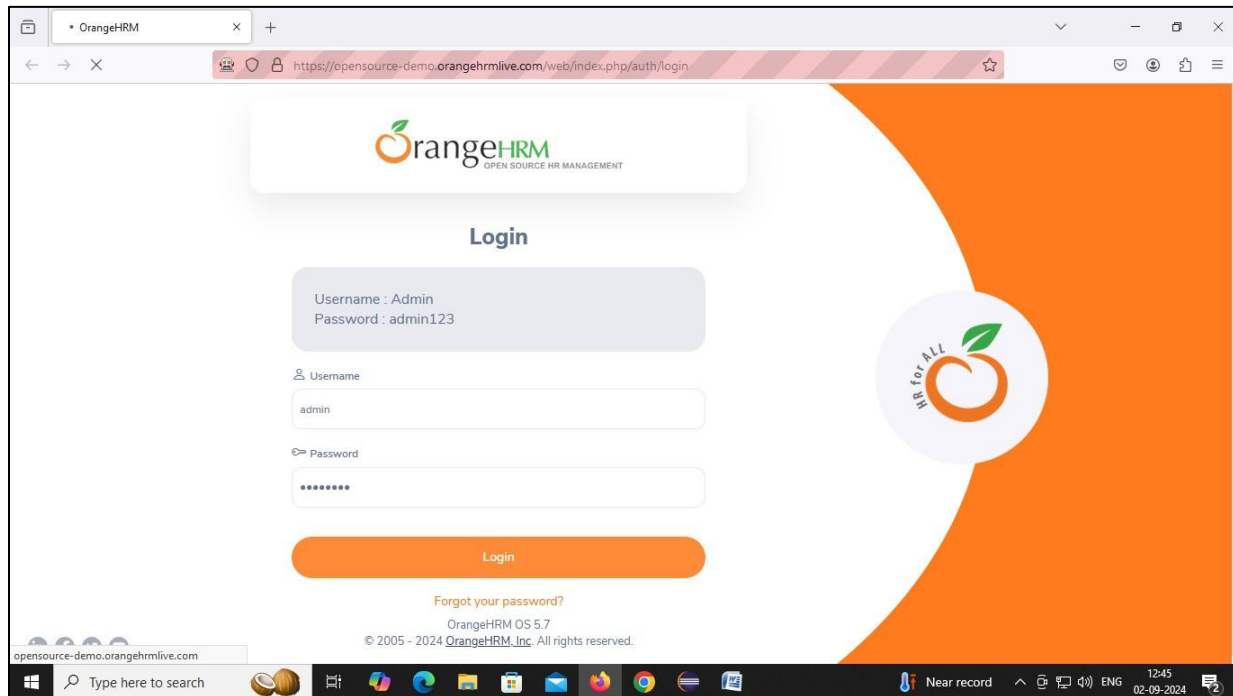
        wt.until(ExpectedConditions.visibilityOfElementLocated(By.name("password"))).sendKeys("admin123");
        wt.until(ExpectedConditions.visibilityOfElementLocated(By.className("oxd-button"))).click();

        wt.until(ExpectedConditions.elementToBeClickable(By.className("oxd-userdropdown-tab"))).click ();
        Thread.sleep(5000);
        wt.until(ExpectedConditions.elementToBeClickable(By.partialLinkText("Logout"))).click();
    }
}
```


Name : Lathika Kotian

Roll No. : 98

OUTPUT :



Practical No : 8

Aim:- Demonstrate Different types of alerts.

CODE :

```
package Lathika98;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
; import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.support.ui.Select;
public class alert {
    Public static void main(String[] args)
    {
        System.setProperty("webdriver.chrome.driver","C:\\selenium
web driver\\ChromeDriver\\chromedriver-win64\\chromedriver-
win64\\geckodriver.exe");
        WebDriver wd = new FirefoxDriver();
        wd.get("https://demo.frontaccounting.eu/");
        wd.findElement(By.name("user_name_entry_field")).sendKeys("");
        wd.findElement(By.name("password")).sendKeys("");
        Select s = new Select(wd.findElement(By.name("company_login_name")));
        wd.findElement(By.name("SubmitUser")).click();

        wd.findElement(By.xpath("/html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/div[2]/table/tbody/tr[1]/td/table/tbody/tr[2]/td[1]/a[1]")).click();
        String Pid = wd.getWindowHandle();//getting id of current page
        System.out.println("Parent Window > " + Pid);
        Select s1 = new Select(wd.findElement(By.name("customer_id")));
        s1.selectByVisibleText("Donald Easter");
        wd.findElement(By.name("CancelOrder")).click();
    }
}
```

OUTPUT :

FrontAccounting 2.4.3 - Login

FrontAccounting
Version 2.4.3 Build 11.11.2021 - Login

User name

demouser

Password:

Company

Test

Login as user: demouser and password: password

Login -->

09/04/2025 | 11:38 am

FrontAccounting 2.4.3 - Theme: default

FrontAccounting

New Sales Quotation Entry

https://demo.frontaccounting.eu/sales/sales_order_entry.php?NewQuotation=Yes

Sales Purchases Items and Inventory Manufacturing Fixed Assets Dimensions Banking and General Ledger Setup

Training Co. | demo.frontaccounting.eu | Demo User

Dashboard Preferences Change password Help Logout

New Sales Quotation Entry

Customer: Donald Easter

Current Credit: -998,970.00

Payment: Cash Only

Quotation Date: 12/31/2022

Branch: abcd

Customer Discount: 0%

Price List: Administrative

Reference: 98982479/2024

Item Code	Item Description	Discount %	Total	
	Samsung	0.0	0.00	Add Item
			0.00	
			0.00	
			0.00	
			0.00	Update

Shipping Charge

Sub-total

Amount Total

Cash payment

Deliver from Location: Default

Cash account: Petty Cash account

Comments:

Place Quotation

Cancel Quotation

demo.frontaccounting.eu

You are about to void this Document.
Do you want to continue?

OK Cancel

Activate Windows
Go to Settings to activate Windows.

Practical No : 9

Aim : Demonstrate wait command in selenium.

CODE :

```
package Lathika98;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver; import
org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.support.ui.WebDriverWait; import
org.openqa.selenium.support.ui.ExpectedConditions; import
java.time.Duration;

public class OrderPlace {
    public static void main(String[] args) {
        System.setProperty("webdriver.gecko.driver",
            "C:\\selenium web driver\\ChromeDriver\\chromedriver-
win64\\geckodriver.exe");
        WebDriver wd = new FirefoxDriver();
        wd.get("https://demo.frontaccounting.eu/");
        WebDriverWait wait = new WebDriverWait(wd, Duration.ofSeconds(10));
        wait.until(ExpectedConditions.visibilityOfElementLocated(
            By.name("user_name_entry_field"))).sendKeys("your_username");
        wait.until(ExpectedConditions.visibilityOfElementLocated(
            By.name("password"))).sendKeys("your_password"); Select
        companySelect = new
        Select(wd.findElement(By.name("company_login_name"))); wd.findElement(By.name("SubmitUser")).click();
        wait.until(ExpectedConditions.elementToBeClickable(By.xpath(
            "/html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/div[2]/table/tbody/tr[1]/td/table/tbody/ tr[2]/td[1]/a[1]"
            ))).click();
        Select customerSelect = new Select(wd.findElement(By.name("customer_id")));
        customerSelect.selectByVisibleText("Donald Easter");
        wd.findElement(By.name("AddItem")).click();
        wd.findElement(By.name("ProcessOrder")).click();
        wd.quit();
    }
}
```

OUTPUT :



FrontAccounting 2.4.12 - Login

FrontAccounting

Version 2.4.12 Build 13.07.2022 - Login

User name:

Password:

Company:

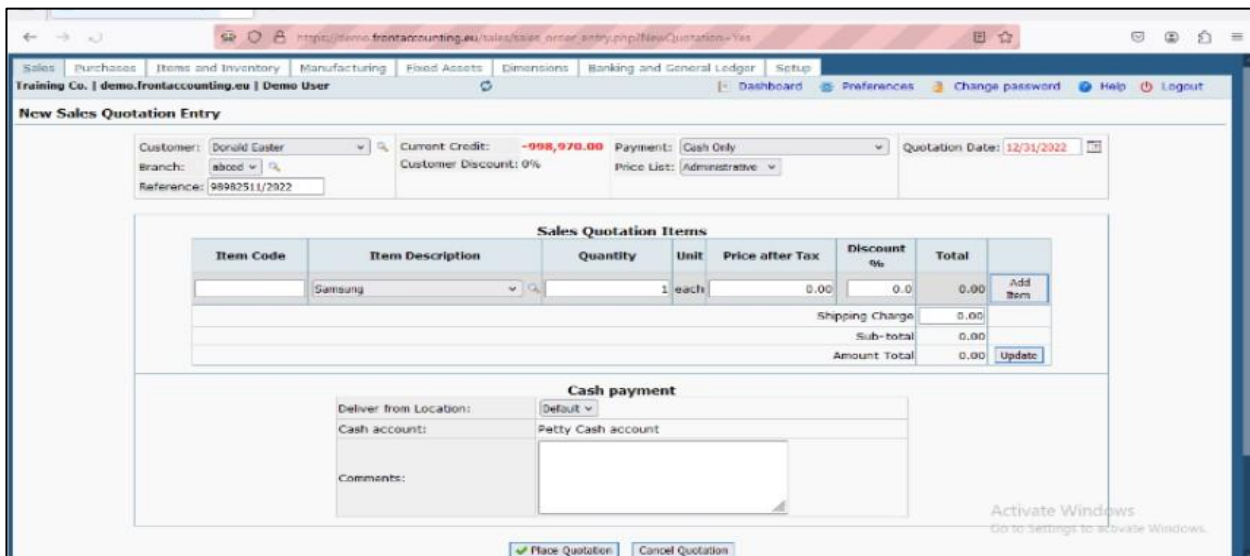
Invalid password or username. Please, try again.

Login -->

09/21/2024 | 07:46 am

FrontAccounting 2.4.12 - Theme: default

FrontAccounting



Training Co. | demo.frontaccounting.eu | Demo User

Dashboard Preferences Change password Help Logout

New Sales Quotation Entry

Customer: Current Credit: **-998,970.00** Payment: Quotation Date:

Branch: Customer Discount: 0% Price List:

Reference:

Item Code	Item Description	Quantity	Unit	Price after Tax	Discount %	Total	
	<input type="text" value="Samsung"/>	<input type="text" value="1"/>	<input type="text" value="each"/>	<input type="text" value="0.00"/>	<input type="text" value="0.0"/>	<input type="text" value="0.00"/>	<input type="button" value="Add Item"/>
						Shipping Charge	<input type="text" value="0.00"/>
						Sub-total	<input type="text" value="0.00"/>
						Amount Total	<input type="text" value="0.00"/>

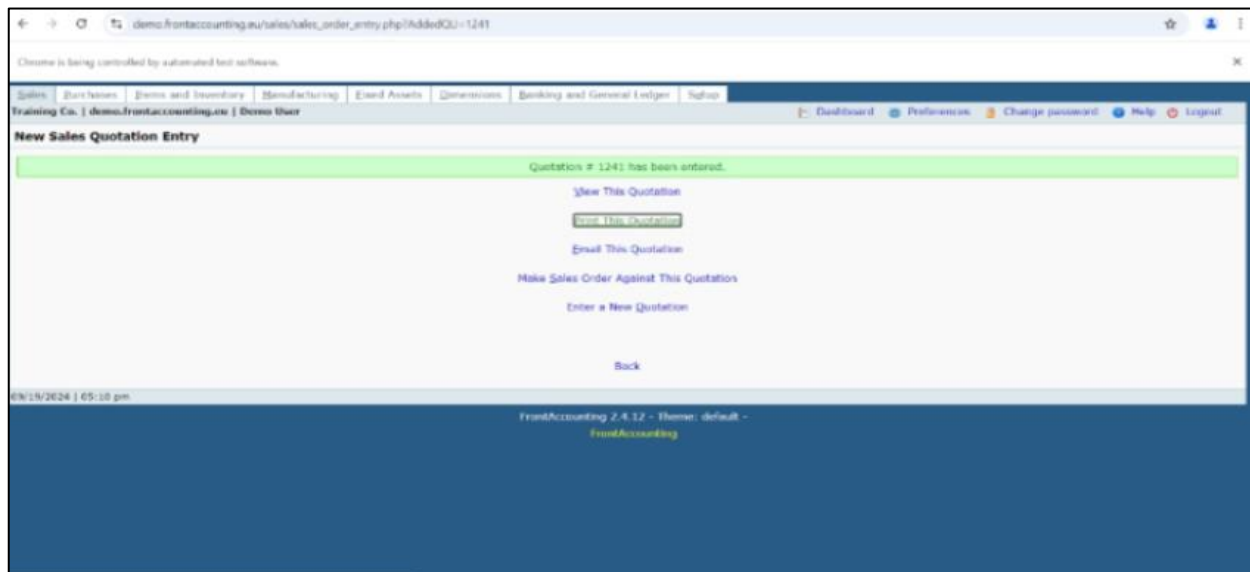
Cash payment

Deliver from Location:

Cash account:

Comments:

Activate Windows
Go to Settings to activate Windows.



demo.frontaccounting.eu/sales/sales_order_entry.php?AddedQO=1241

Chrome is being controlled by automated test software.

Training Co. | demo.frontaccounting.eu | Demo User

Dashboard Preferences Change password Help Logout

New Sales Quotation Entry

Quotation # 1241 has been entered.

09/21/2024 | 05:18 pm

FrontAccounting 2.4.12 - Theme: default -

FrontAccounting

Aim : Multiple Window Handling.**CODE:**

```
package Lathik98;
import java.util.Set;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.support.ui.Select;
public class MultipleWindowHandling {
    public static void main(String[] args) {
        //Set the path for GeckoDriver (since you're using Firefox)
        System.setProperty("webdriver.gecko.driver",
            "C:\\selenium web driver\\ChromeDriver\\chromedriver-
            win64\\geckodriver.exe"); WebDriver wd = new FirefoxDriver();
        // Open FrontAccounting demo site
        wd.get("https://demo.frontaccounting.eu/");

        // Login
        wd.findElement(By.name("user_name_entry_field")).sendKeys("your_username"); //
        Replace with valid username
        wd.findElement(By.name("password")).sendKeys("your_password"); // Replace with
        valid password
        // Select company (if required)
        Select s = new Select(wd.findElement(By.name("company_login_name")));
        // s.selectByVisibleText("Default Company"); // Uncomment if needed
        wd.findElement(By.name("SubmitUser")).click();
        // Click link to open a new window
        wd.findElement(By.xpath(
            "/html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/div[2]/table/tbody/tr[1]/td/table/tbody/tr[2]
            /td[1]/a"
        )).click();
        // Get parent window ID
        String parentId = wd.getWindowHandle();
        System.out.println("Parent Window: " + parentId);
        // Click a link that opens another window
        wd.findElement(By.xpath(
            "/html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/div[2]/form/center[1]/table/tbody/tr/td[2]/t
            able/tbody/tr[1]/td[2]/a"
        )).click();
```

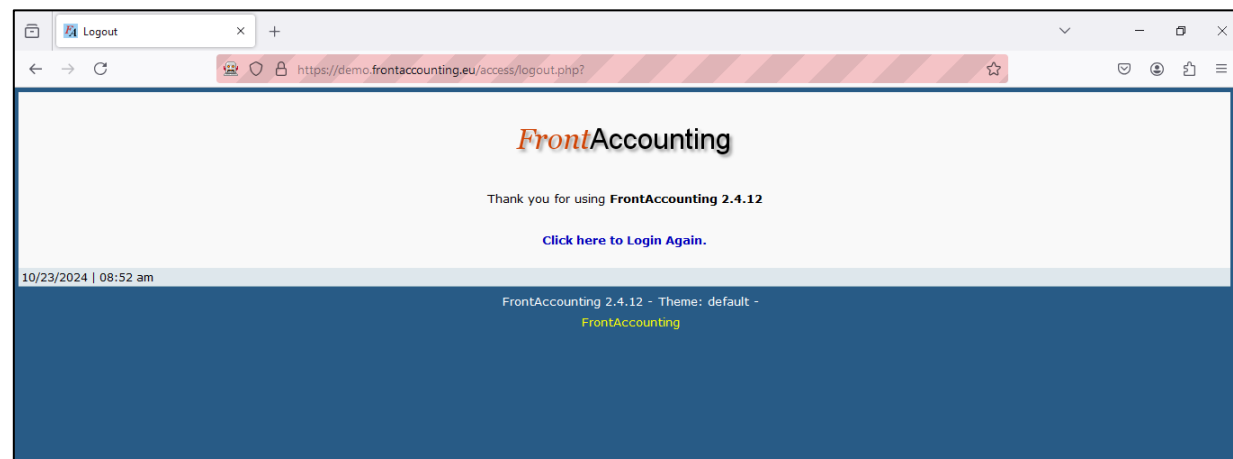
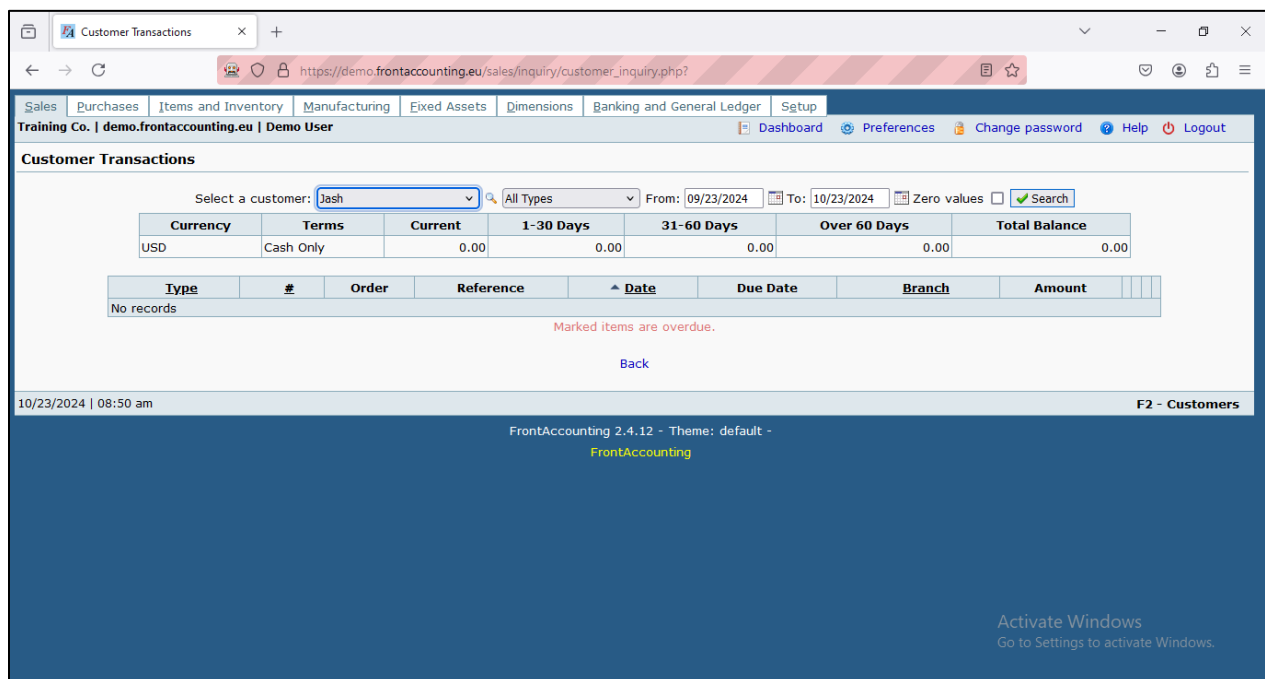
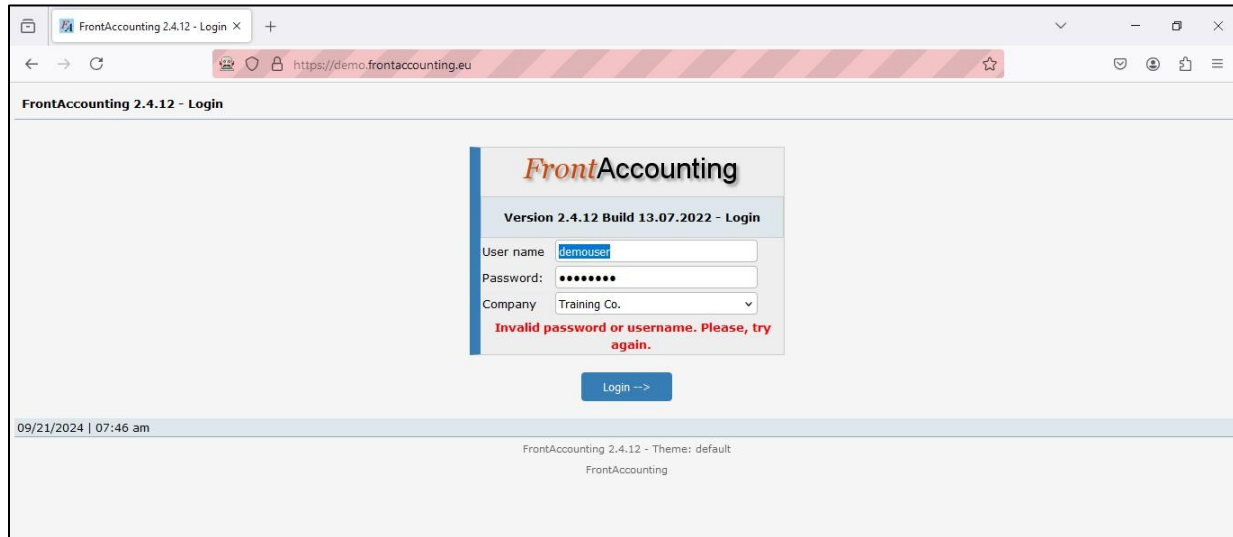
```
// Handle all window IDs

Set<String> allWindows = wd.getWindowHandles(); for (String
windowId : allWindows) {
wd.switchTo().window(windowId); System.out.println("Window Title: " +
wd.getTitle()); if (!windowId.equals(parentId)) {
    // Perform actions in the new window
    Select ss = new Select(wd.findElement(By.id("customer_id"))); // Ensure ID is
correct
    ss.selectByVisibleText("Donald Easter"); wd.manage().window().maximize();
    wd.close(); // Close the child window after work
}
}
// Switch back to parent window wd.switchTo().window(parentId);
// Logout wd.findElement(By.linkText("Logout")).click();
// Close browser wd.quit();
}
}
```

Name : Lathika Kotian

Roll No. : 98

OUTPUT :

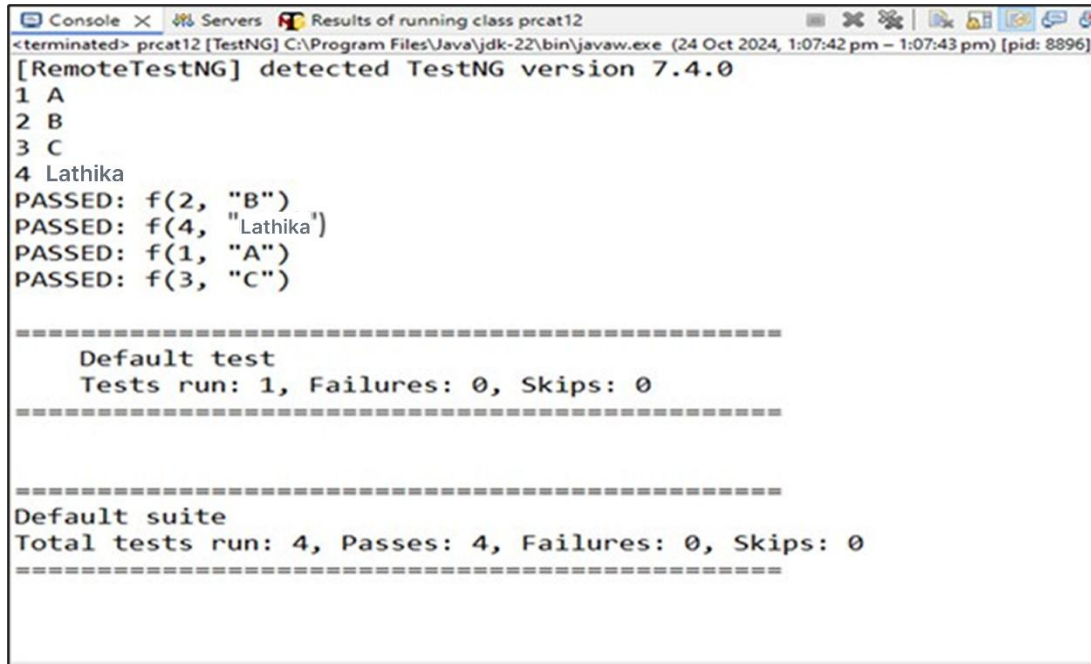


Practical No : 11

Aim : TestNG

A) Demo DataProvider

```
package testNG;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;
public class Pract12 {
    @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,
                "Lathika"
            },
        };
    }
}
```

OUTPUT :

The screenshot shows a Java console window titled "Results of running class prcat12". The console output is as follows:

```
<terminated> prcat12 [TestNG] C:\Program Files\Java\jdk-22\bin\javaw.exe (24 Oct 2024, 1:07:42 pm - 1:07:43 pm) [pid: 8896]
[RemoteTestNG] detected TestNG version 7.4.0
1 A
2 B
3 C
4 Lathika
PASSED: f(2, "B")
PASSED: f(4, "Lathika")
PASSED: f(1, "A")
PASSED: f(3, "C")

=====
      Default test
      Tests run: 1, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
=====
```

B) Demo Annotation

```
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 Pract12B {
    @Test
    public void f() {
        System.out.println("Roll no: 98");
    }
    @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 :

```

[RemoteTestNG] detected TestNG version 7.11.0
SLF4J(W): No SLF4J providers were found.
SLF4J(W): Defaulting to no-operation (NOP) logger implementation
SLF4J(W): See https://www.slf4j.org/codes.html#noProviders for further details.
Before Suite
Before Test
Before Class
Before Method
Roll no: 98
After Method
After Class
After Test
PASSED: testNG.pract12B.f

=====
    Default test
    Tests run: 1, Failures: 0, Skips: 0
=====

After Suite

=====
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====

```

C) Data OHM

```

package testNG;

import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.testng.annotations.Test;
import org.testng.annotations.DataProvider;

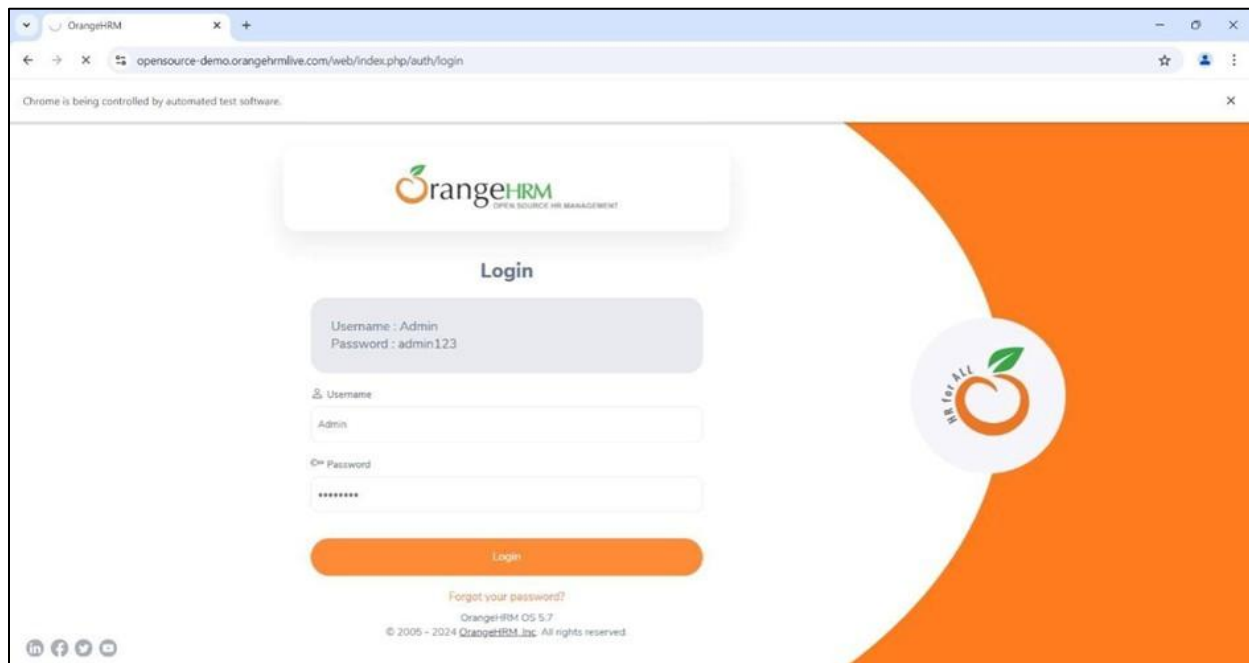
public class pracat12C {
    @Test(dataProvider = "dp") public void f(String u, String p) {
        System.setProperty("webdriver.gecko.driver", "C:\\selenium web
            driver\\ ChromeDriver\\ chromedriver - win64\\ chromedriver - win64\\ geckodriver.exe ");
        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-demo.orangehrmlive.com/");
        wd.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

        wd.findElement(By.name("username")).sendKeys(u); // locator name
        wd.findElement(By.name("password")).sendKeys(p); // locator name wd.findElement(By.c
            try {
                wd.findElement(By.className("oxd-userdropdown-name")).click();
                wd.findElement(By.className("oxd-userdropdown-link")).click();
                System.out.println("Pass");
            } catch (Exception e) {

```

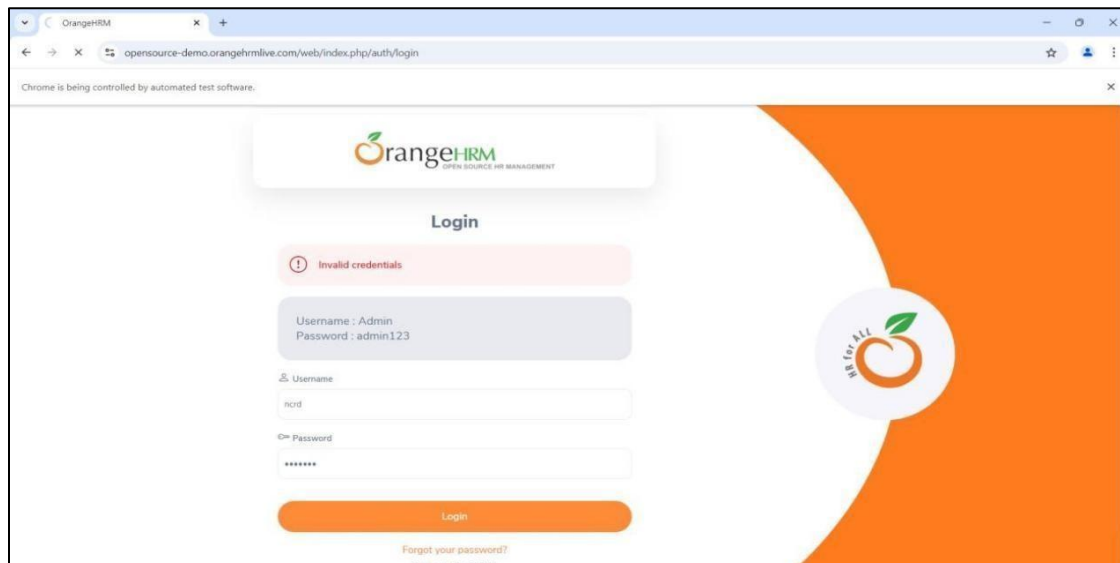
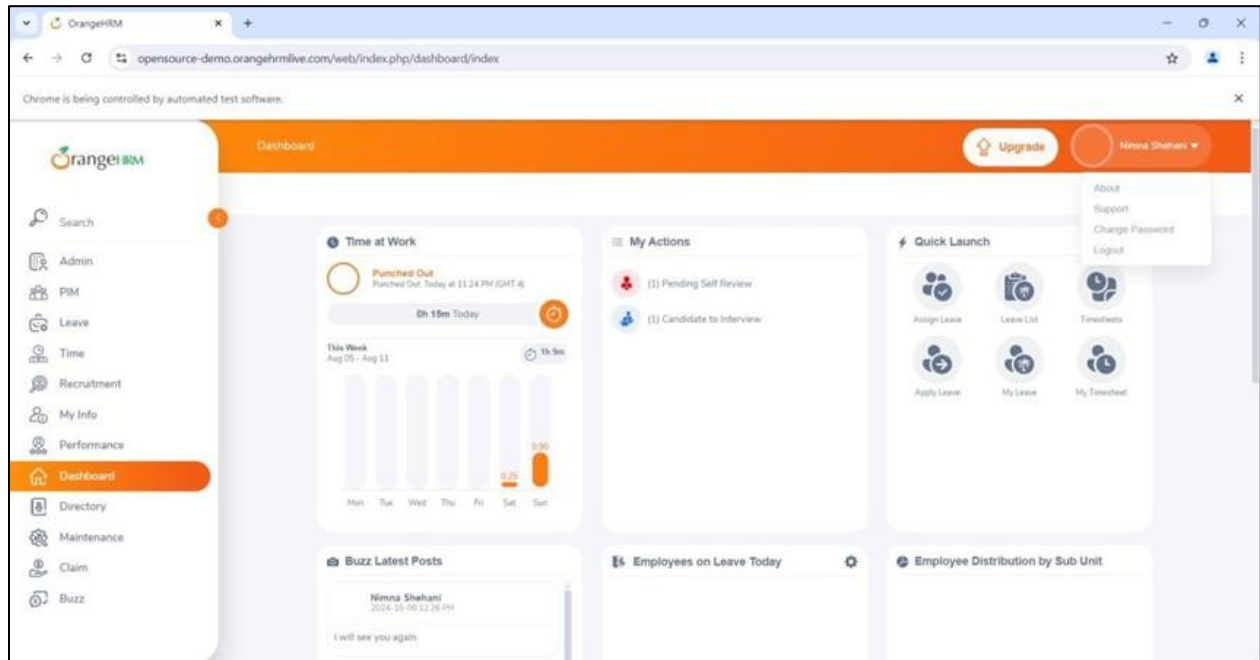
```
        System.out.println("Fail");
    } finally {
        wd.quit();
    }
}
@DataProvider
public Object[][] dp() {
    return new Object[][] {
        {
            "Admin",
            "admin123"
        }, {
            "add",
            "b"
        }
    };
}
```

OUTPUT :



Name : Lathika Kotian

Roll No. : 98



```
Console x Servers Results of running class prcat12C
<terminated> prcat12C [TestNG] C:\Program Files\Java\jdk-22\bin\javaw.exe (23 Oct 2024, 12:08:41 pm - 12:09:21 pm) [pid: 6848]
Pass
Fail
PASSED: f("Admin", "admin123")
PASSED: f("add", "b")

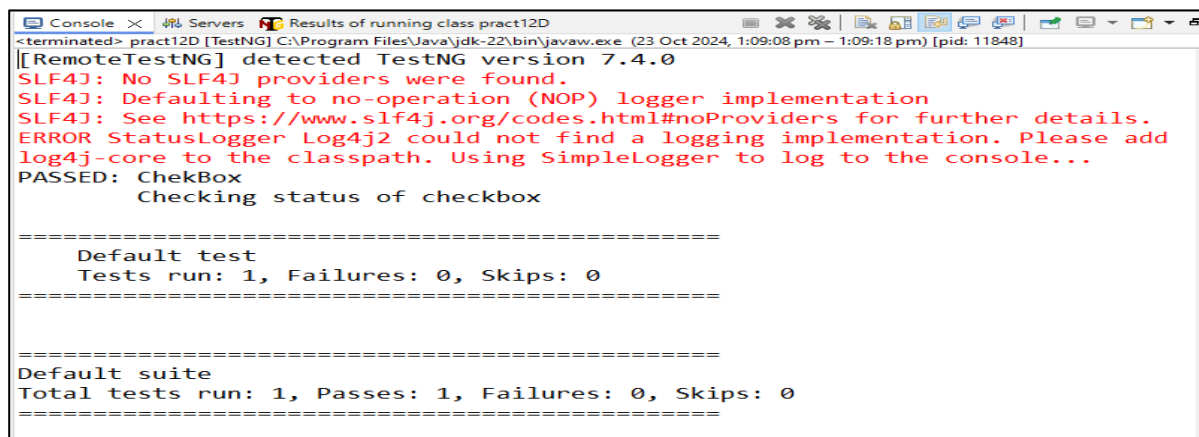
=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====
```

D) DataCheck

```

package testNG;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.testng.Assert;
import org.testng.annotations.Test;
public class pract12D {
    @Test(description = "Checking status of checkbox")
    public void CheckBox() {
        System.setProperty("webdriver.gecko.driver",
            "C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-
win64\\geckodriver.exe");
        WebDriver wd = new FirefoxDriver();
        wd.get("https://mail.rediff.com/cgi-bin/login.cgi");
        Boolean sts = wd.findElement(By.name("remember")).isSelected();
        Assert.assertTrue(sts, "Checkbox is not selected!");
        wd.quit();
    }
}

```

OUTPUT :

E) DemoAssertFA

```

package testNG;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.testng.Assert;
import org.testng.annotations.Test;

public class pract12E {

    @Test
    public void frontAccounting() {
        System.setProperty("webdriver.gecko.driver",
            "C:\\selenium web
            driver\\ ChromeDriver\\ chromedriver - win64\\ chromedriver - win64\\ geckodriver.exe ");
        WebDriver wd = new FirefoxDriver(); wd.get("
            https://demo.frontaccounting.eu/index.php");
        String expectedTitle = "FrontAccounting 2.4.12 - Login"; // if title is not matching, execution
will fail
        String actualTitle = wd.getTitle(); Assert.assertEquals(actualTitle, expectedTitle, "Title does
not match!"); System.out.println("Title of Webpage =====> " + actualTitle); wd.quit();
    }
}

```

OUTPUT:

```

<terminated> pract12E [TestNG] C:\Program Files\Java\jdk-22\bin\javaw.exe (23 Oct 2024, 1:17:22 pm - 1:17:32 pm) [pid: 11992]
[RemoteTestNG] detected TestNG version 7.4.0
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add
log4j-core to the classpath. Using SimpleLogger to log to the console...
Title of Webpage =====> FrontAccounting 2.4.12 - Login
PASSED: frontAccounting

=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====

```

Name : Lathika Kotian

Roll No. : 98

FrontAccounting 2.4.12 - Login

demo.frontaccounting.eu/index.php

Chrome is being controlled by automated test software.

FrontAccounting

Version 2.4.12 Build 13.07.2022 - Login

User name: demouser

Password:

Company: Training Co.

Login as user: demouser and password: password

Login ->

09/20/2024 | 07:08 pm

FrontAccounting 2.4.12 - Theme: default

FrontAccounting

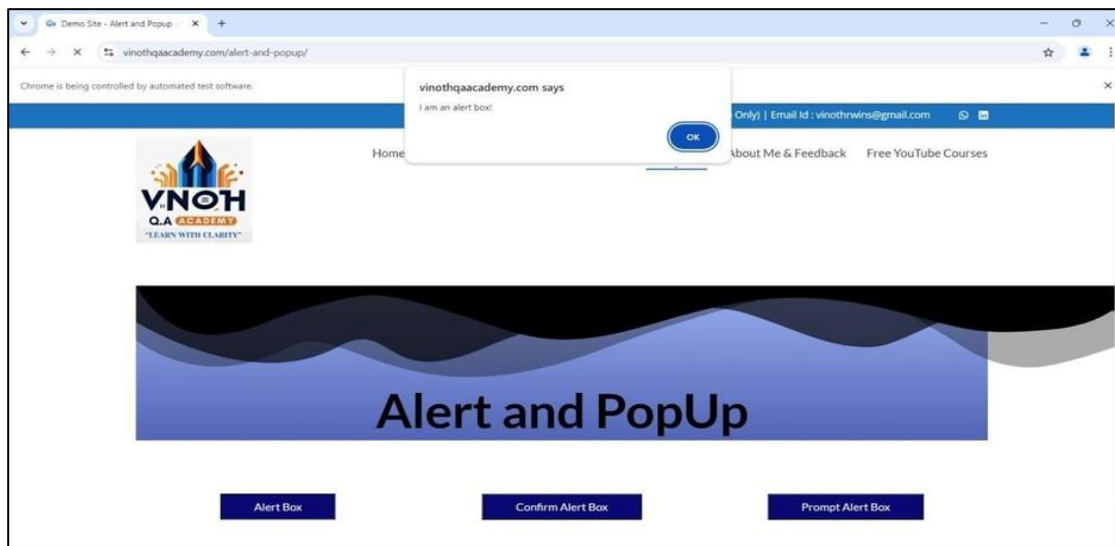
F) DemoAlert

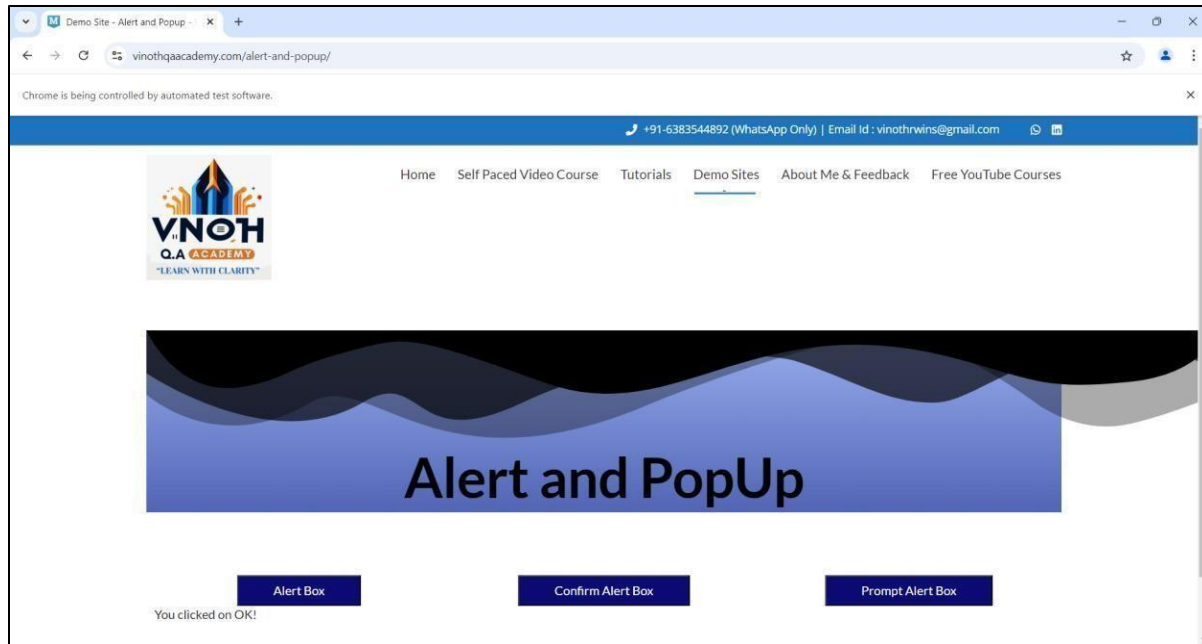
1) Alertbox

```
package testNG;
import
org.openqa.selenium.Alert;
import
org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
public class pract12F1 {
    public static void main(String[] args) throws Exception {
        System.setProperty("webdriver.gecko.driver",
            "C:\\selenium web
driver\\ChromeDriver\\chromedriver-win64\\chromedriver-
win64\\geckodriver.exe"); WebDriver wd = new FirefoxDriver();
        wd.get("https://vinothqaacademy.com/alert-and-popup/");

        wd.findElement(By.name("alertbox")).click();
        Thread.sleep(2000);
        Alert alt = wd.switchTo().alert();
        System.out.println("Text of Alert: " + alt.getText()); // capture alert text
        alt.accept(); // click on OK button
        wd.quit();
    }
}
```

OUTPUT :



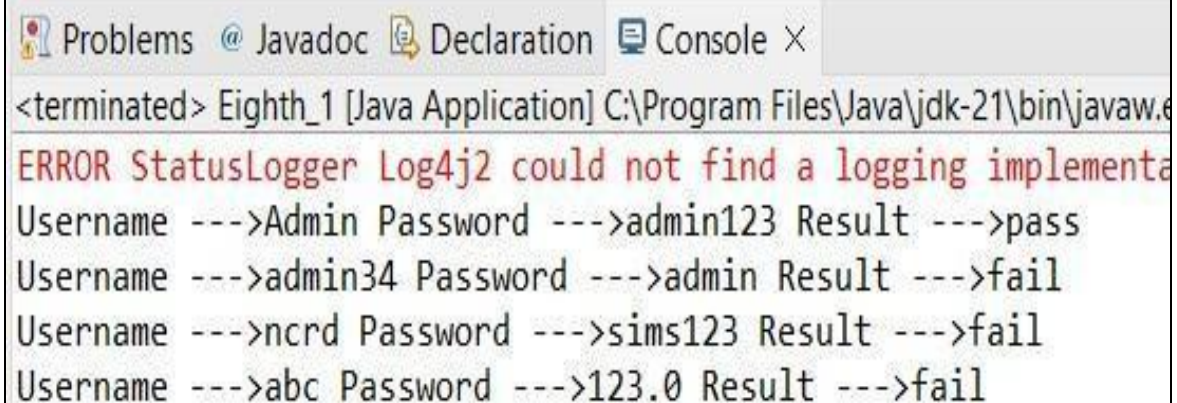


Practical No : 12

Aim : Demonstrate data driven Framework

1) File read data from Excel and perform testing using selenium.

```
package rupali87;
import java.io.FileInputStream;
import java.io.IOException;
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;
// Get Data From Excel
public class Eighth_1 {
    public static void main(String[] args) throws IOException {
        FileInputStream fis = new FileInputStream("D:\\STQA\\Excel1.xlsx");
        XSSFWorkbook wb = new XSSFWorkbook(fis);
        XSSFSheet sh = wb.getSheet("Sheet1");
        for (int i = 1; i <= sh.getLastRowNum(); i++) {
            XSSFRow rw = sh.getRow(i);
            XSSFCell un = rw.getCell(0);
            XSSFCell pw = rw.getCell(1);
            XSSFCell rs = rw.getCell(2);
            System.out.println("Username ---> " + un + " Password ---> " + pw + " Result ---> " +
rs);
        }
        wb.close();
        fis.close();
    }
}
```



Problems @ Javadoc Declaration Console ×

<terminated> Eighth_1 [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.e

ERROR StatusLogger Log4j2 could not find a logging implementa

Username --->Admin Password --->admin123 Result --->pass

Username --->admin34 Password --->admin Result --->fail

Username --->nrcd Password --->sims123 Result --->fail

Username --->abc Password --->123.0 Result --->fail

Name : Lathika Kotian

Roll No. : 98

File Home Insert Draw Page Layout Formulas Data Review View Help XLSTAT Cloud XLSTAT

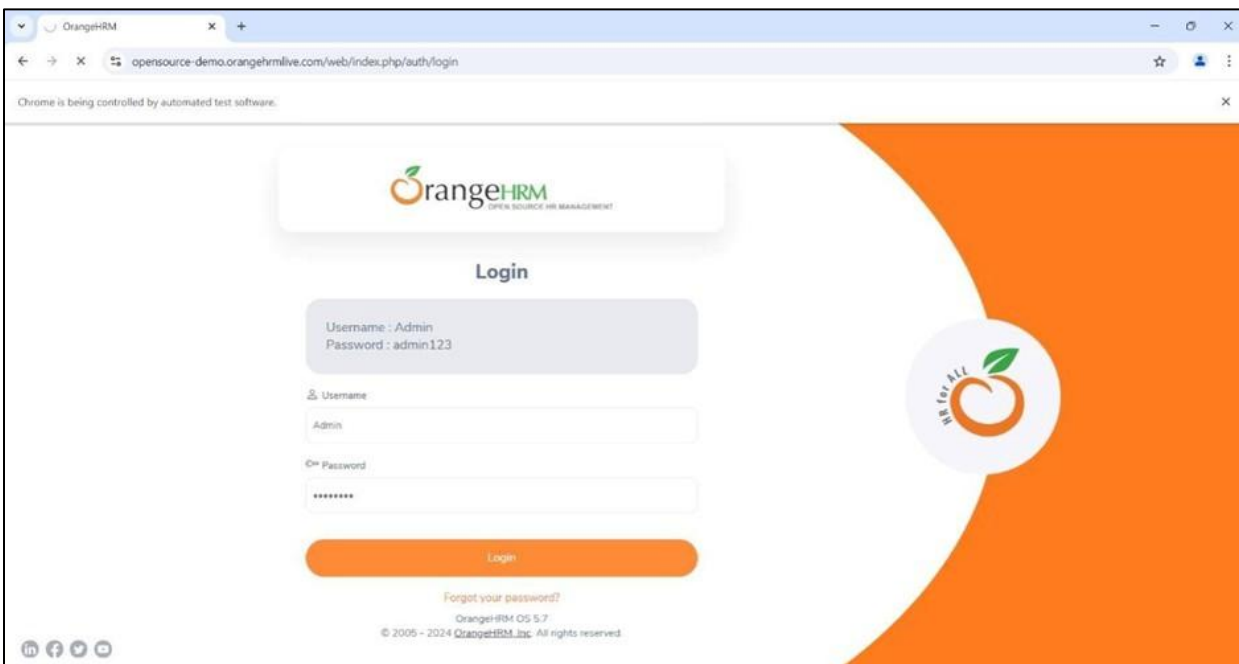
Paste Cut Copy Format Painter Clipboard

Calibri 11 A A Font

B I U Text Color Background Color Alignment Merge & Center General Number

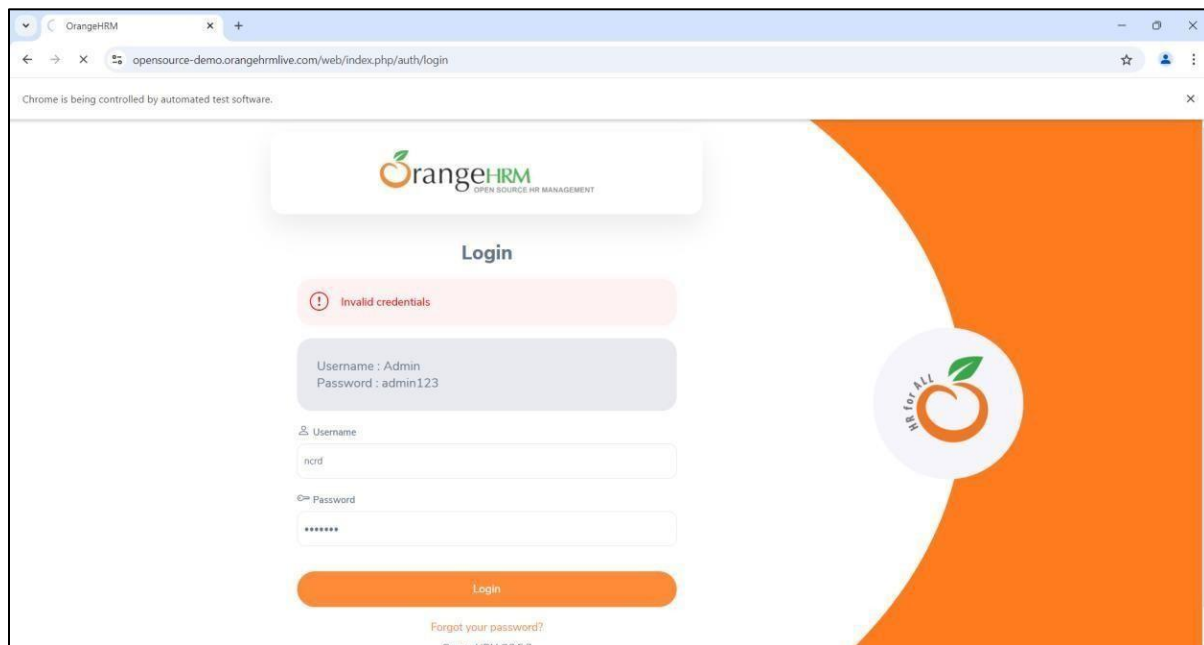
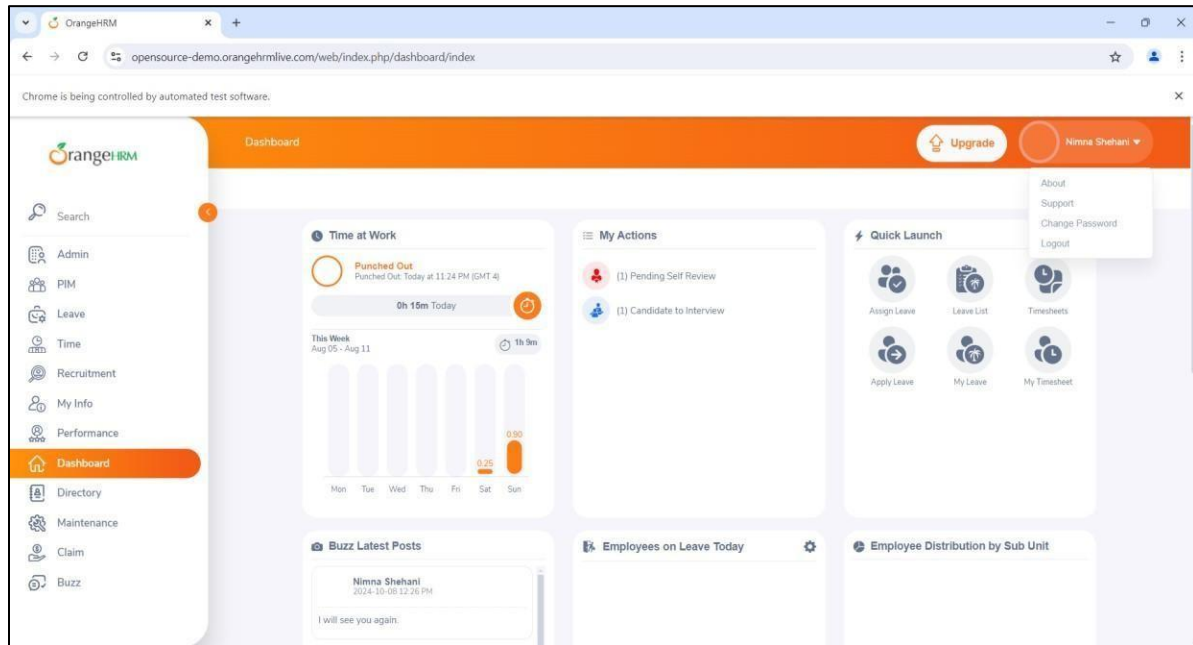
B12 fx

	A	B	C	D	E	F	G	H	I	J
1	Username	Password	Result							
2	Admin	admin123	pass							
3	admin34	admin	fail							
4	nrcd	sims123	fail							
5	abc	1234	fail							



Name : Lathika Kotian

Roll No. : 98



Practical No : 13

Aim : Write a Program to Read data from an Excel file and login in to site.

CODE :

```
package lathika98;
import
java.io.FileInputStream;
import
java.io.FileOutputStream;
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 Eighth_3 {
    public static void main(String[] args) throws
        IOException {
        System.setProperty("webdriver.chrome.driver",
            "D:\\STQA\\Selenium\\chromedriverwin64\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
        wd.get("https://opensource-demo.orangehrmlive.com/");
        FileInputStream fis = new
            FileInputStream("D:\\STQA\\Excel1.xlsx"); XSSFWorkbook wb =
            new XSSFWorkbook(fis);
        XSSFSheet sh =
            wb.getSheet("WriteData"); for (int i = 1; i
            <= sh.getLastRowNum(); i++) {
            XSSFRow rw = sh.getRow(i);
            XSSFCell un = rw.getCell(0);
            XSSFCell pw = rw.getCell(1);
            XSSFCell res =
                rw.createCell(2);
            System.out.println("Username --> " + un + " | Password --> " +
```



```
pw); wd.findElement(By.name("username")).clear();
wd.findElement(By.name("username")).sendKeys(un.toString());
wd.findElement(By.name("password")).clear();
wd.findElement(By.name("password")).sendKeys(pw.toString());
wd.findElement(By.className("oxd-button")).click();
try{
    wd.findElement(By.className("oxd-userdropdown-name")).click();
    wd.findElement(By.partialLinkText("Logout")).click();
    System.out.println("Login Pass");
    res.setCellValue("Valid");
} catch (Exception e) {
    System.out.println("Login
    Fail");
    res.setCellValue("Invalid");
}
}
FileOutputStream fos = new
FileOutputStream("D:\\STQA\\ExcelData_1.xlsx"); wb.write(fos);

fos.close();
fis.close();
wb.close();
wd.quit();
System.out.println("Test completed and results written to Excel file.");
}
}
```

OUTPUT :

FileHomeInsertDrawPage LayoutFormulasDataReviewViewHelpXLSTAT CloudXLSTAT

Paste

Cut

Copy

Format Painter

Clipboard

Calibri

11

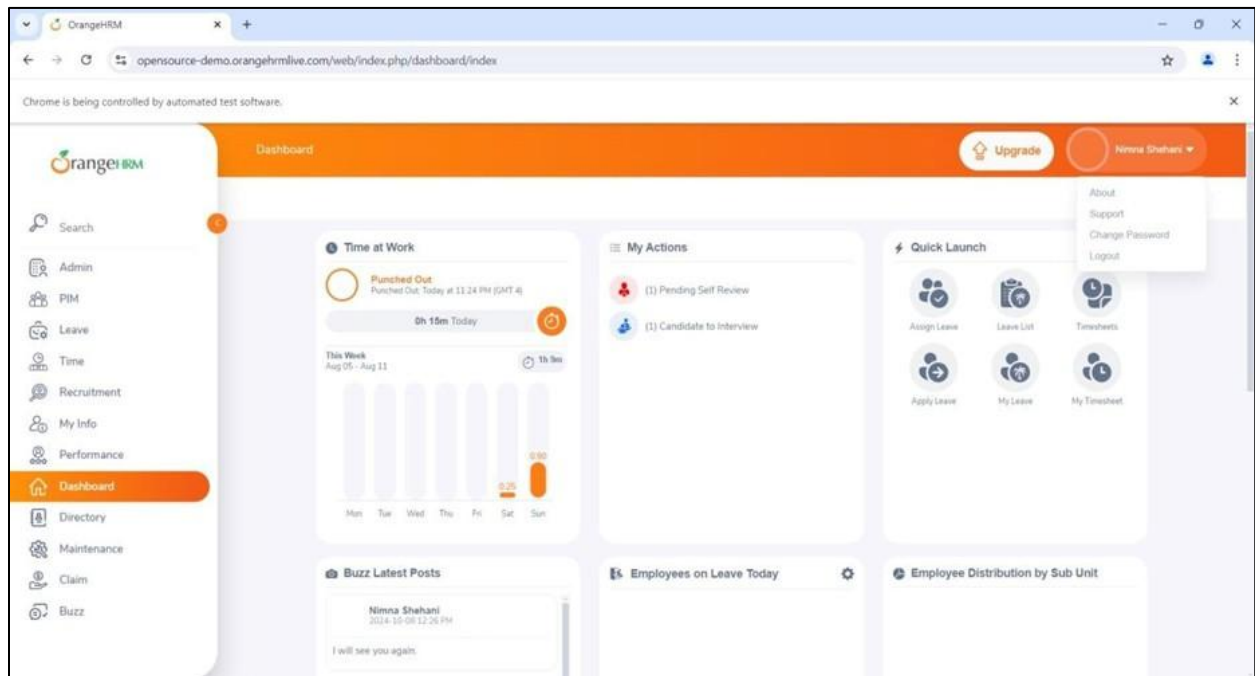
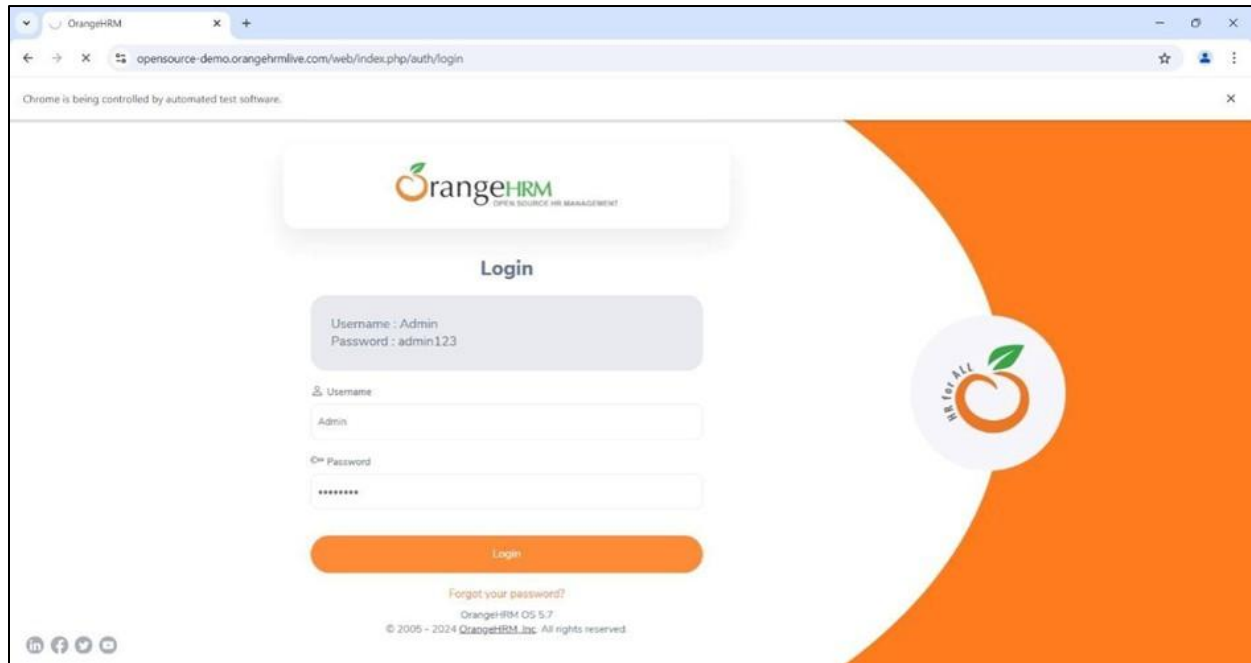
A⁺

A⁻

</

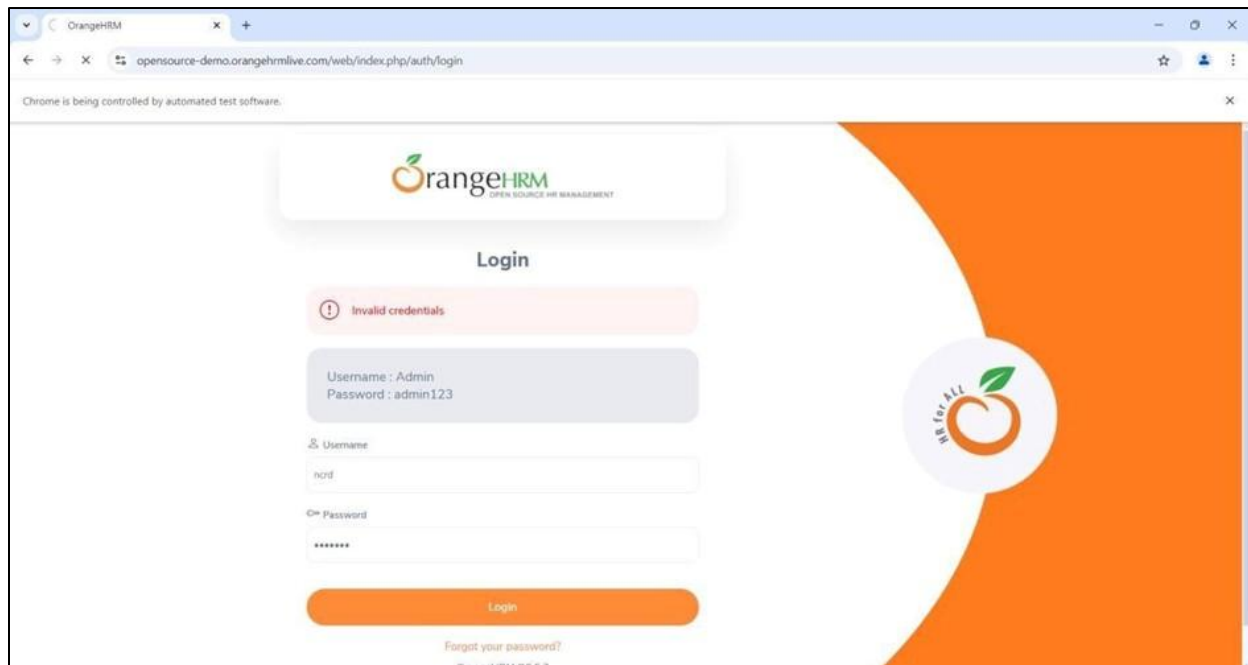
Name : Lathika Kotian

Roll No. : 98



Name : Lathika Kotian

Roll No. : 98



Practical No : 14

Aim : Validation Testing using chrome and bing.

A) Chrome

```
package Lathika98;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

public class Practical8 {
    public static void main(String[] args) throws Exception {
        System.setProperty("webdriver.gecko.driver", "C:\\Selenium
webdriver\\geckodriver\\geckodriver.exe");

        WebDriver wd = new FirefoxDriver();
        wd.get("https://google.com/");
        // wd.get("https://bing.com/");

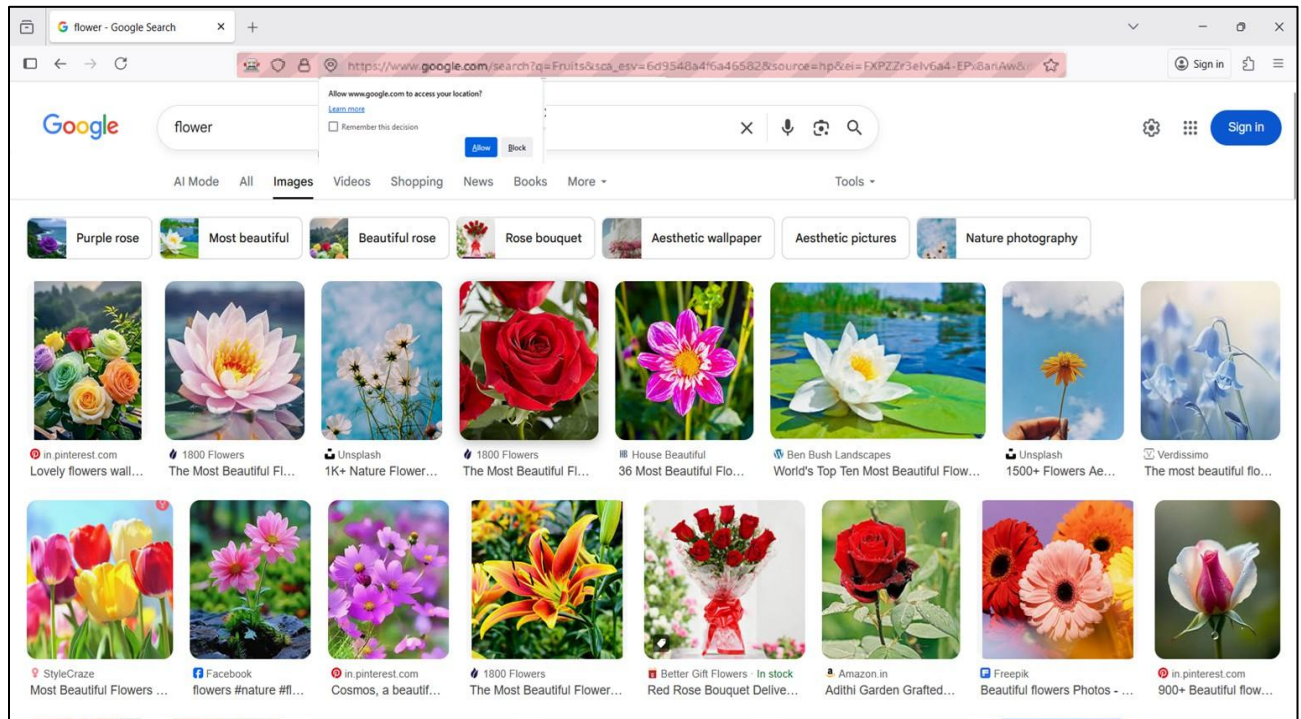
        Thread.sleep(2000);

        // For Firefox
        wd.findElement(By.className("gLfyf")).sendKeys("Fruits");
        wd.findElement(By.className("gLfyf")).sendKeys(Keys.ENTER);
    }
}
```

Name : Lathika Kotian

Roll No. : 98

OUTPUT :



B) Bing

```
package Lathika98;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

public class Practical8 {
    public static void main(String[] args) throws Exception {
        System.setProperty("webdriver.gecko.driver", "C:\\Selenium
webdriver\\geckodriver\\geckodriver.exe");

        WebDriver wd = new FirefoxDriver();
        wd.get("https://google.com/");
        // wd.get("https://bing.com/");

        Thread.sleep(2000);

        // For Firefox (Google)
        // wd.findElement(By.className("gLFyf")).sendKeys("Fruits");
        // wd.findElement(By.className("gLFyf")).sendKeys(Keys.ENTER);

        // For Bing
        wd.findElement(By.className("sb_form_q")).sendKeys("Fruits");
        wd.findElement(By.className("sb_form_q")).sendKeys(Keys.ENTER);
    }
}
```

OUTPUT :