

## 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

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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 Firefox browser(chrome, Firefox,choose browser)**

## **CODE:**

```
package com.gh;

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

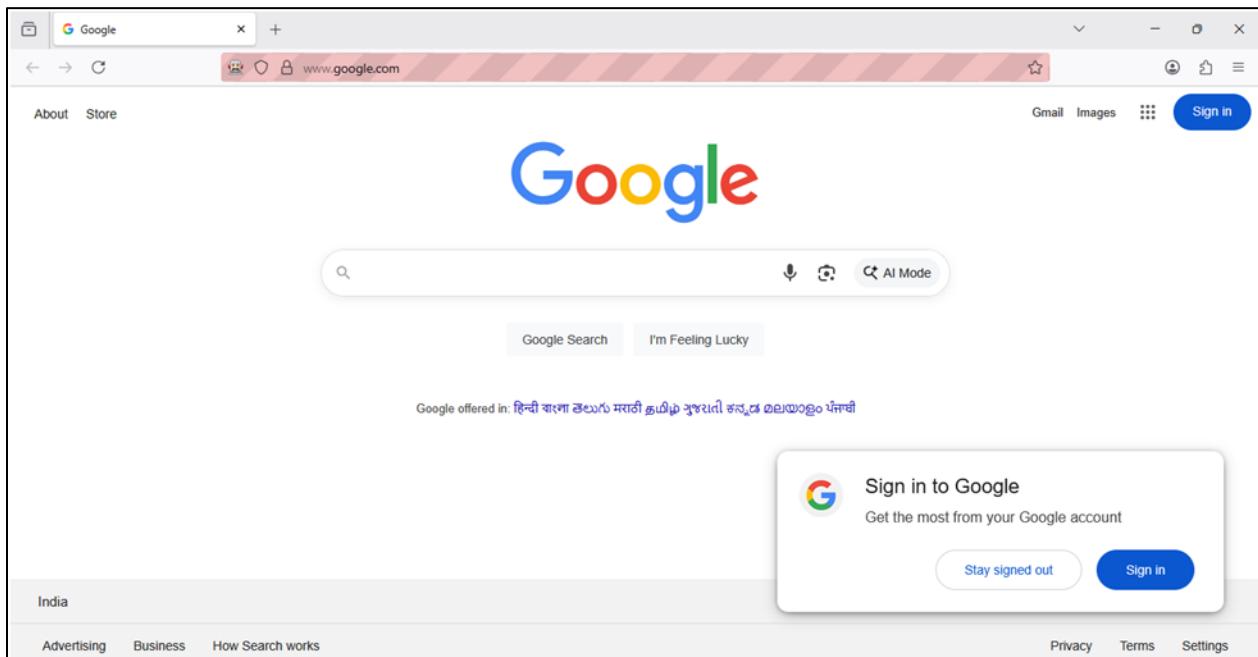
public class l {

    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:**

<terminated> I [Java Application] C:\Users\USER\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.w  
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 :

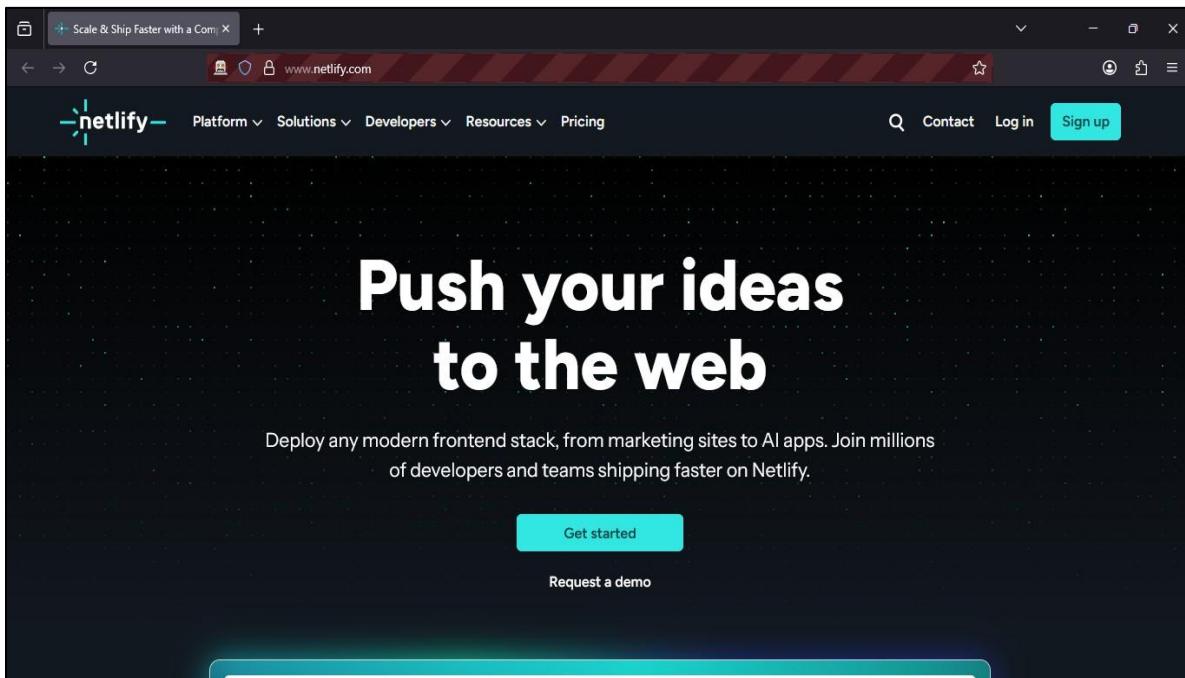
```
package com.prac2;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

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");
    }
}
```

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**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;

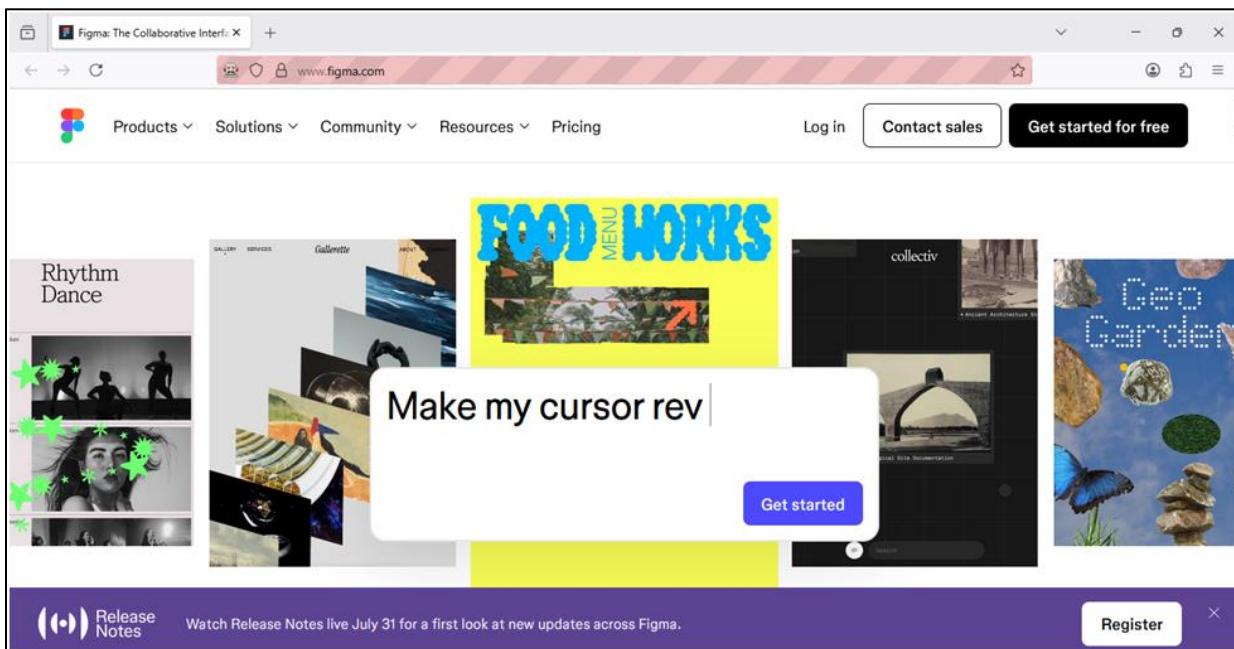
public class Browser {
    static WebDriver wd;
    public static void main(String[] args) {

        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;

importjava.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();

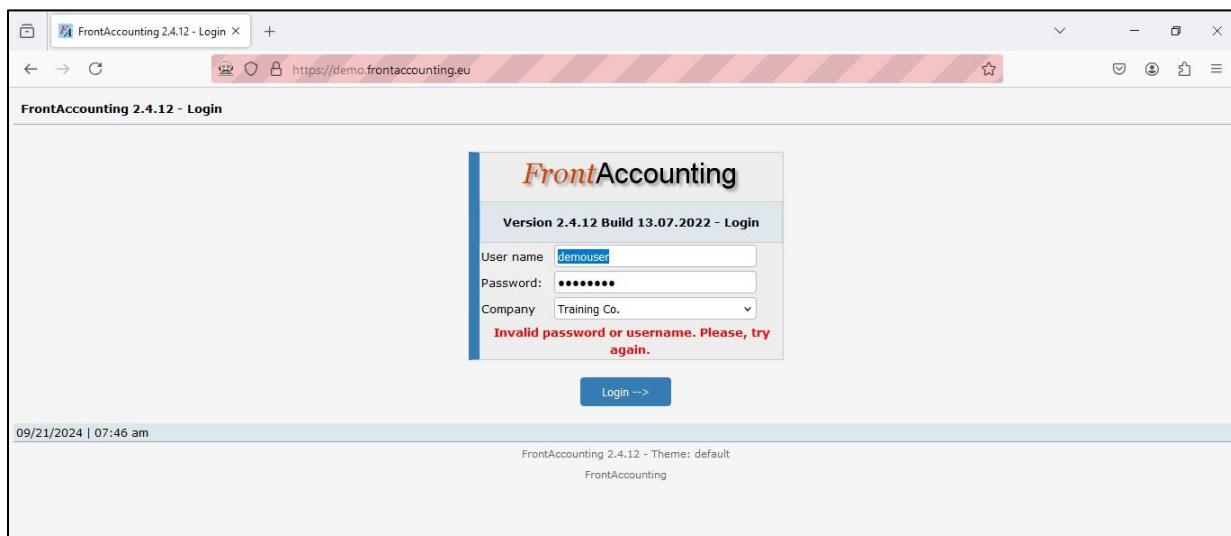
    // Navigate to Sales -> Direct Sales Delivery (for example)
    wait.until(ExpectedConditions.elementToBeClickable(
By.xpath("//html/body/table[1]/tbody/tr/td/table[1]/tbody/tr/td/div[2]/table/tbody/tr[1]/td/table/tbody/tr[2]/td[1]/a[1]"))
.click();

    // 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 :



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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: abced | Customer Discount: 0% | Price List: Administrative

Reference: 98982511/2022

**Sales Quotation Items**

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

**Cash payment**

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

Comments:

Activate Windows  
Go to Settings to activate Windows.

New Sales Quotation Entry

https://demo.frontaccounting.eu/sales/sales\_order\_entry.php?AddedQU=1241

Chrome is being controlled by automated test software.

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

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

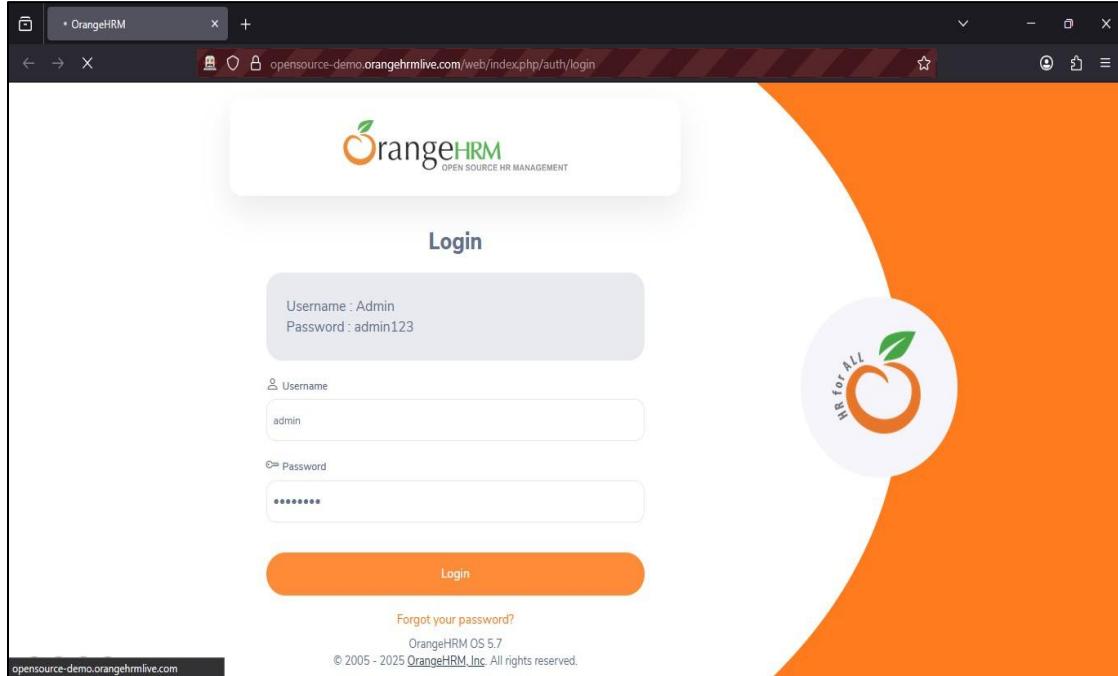
CODE :

```
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();
    }
}
```

## OUTPUT :



A screenshot of the OrangeHRM dashboard. The dashboard has a light blue header with the OrangeHRM logo and a search bar. On the left, a sidebar menu lists various modules: Admin, PIM, Leave, Time, Recruitment, My Info, Performance, Dashboard (which is selected and highlighted in orange), Directory, Maintenance, Claim, and Buzz. The main content area is divided into several cards: "Time at Work" (shows a "Punched Out" status, "0h 25m Today", and a weekly summary from Aug 04 - Aug 10 showing a total of 0.42 hours), "My Actions" (lists "Pending Self Review" and "Candidate to Interview"), "Quick Launch" (links to Assign Leave, Leave List, Timesheets, Apply Leave, My Leave, and My Timesheet), "Buzz Latest Posts" (a feed with one post from "Om Ramesh patil" dated 2025-07-08 01:59 PM), "Employees on Leave Today" (a list of employees), and "Employee Distribution by Sub Unit" (a pie chart). The browser address bar shows "opensource-demo.orangehrmlive.com/web/index.php/dashboard/index".

## Practical No : 05

**Aim : Implement the find element command.**

**CODE :**

```
package com.prac5;

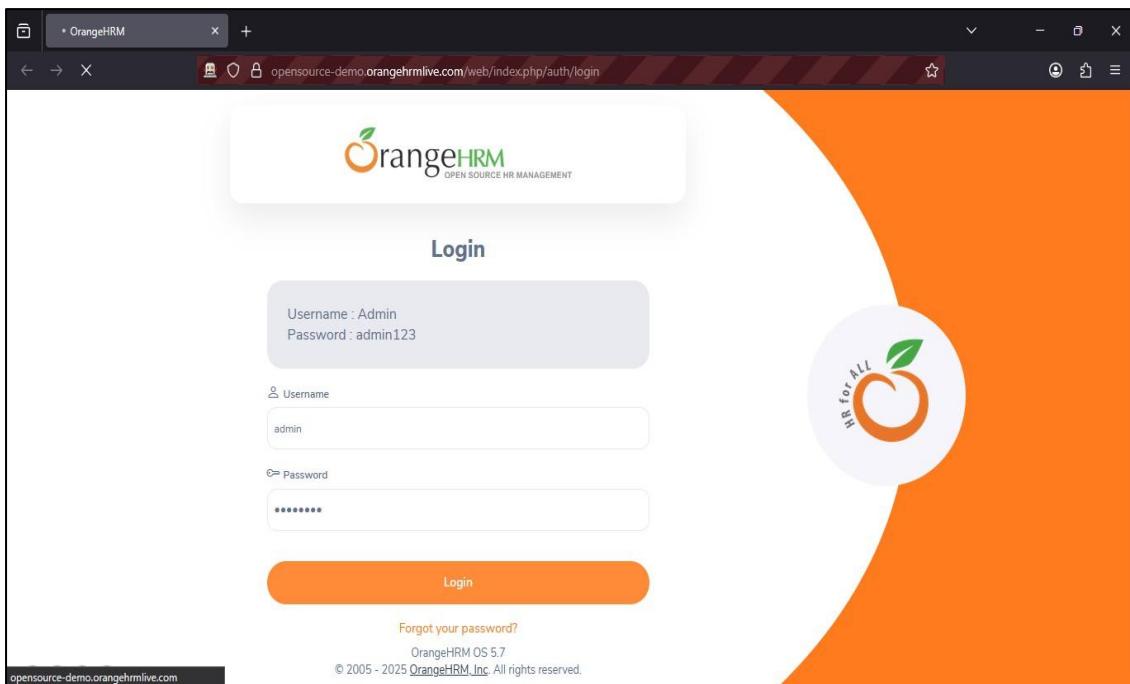
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import

org.openqa.selenium.firefox.FirefoxDrive

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/div[1]/div/div[2]/div[2]/form/div[3]/button")).click();
    }
}
```

## OUTPUT:



A screenshot of the OrangeHRM dashboard. The left sidebar shows navigation links like Admin, PIM, Leave, Time, Recruitment, My Info, Performance, and Dashboard (which is selected). The main dashboard area contains several cards: "Time at Work" showing a punch-out message and a weekly summary; "My Actions" listing pending self-review and interview candidates; "Quick Launch" with icons for Assign Leave, Leave List, Timesheets, Apply Leave, My Leave, and My Timesheet; "Buzz Latest Posts" showing a recent update from Om Ramesh patil; "Employees on Leave Today"; and "Employee Distribution by Sub Unit".

## 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");

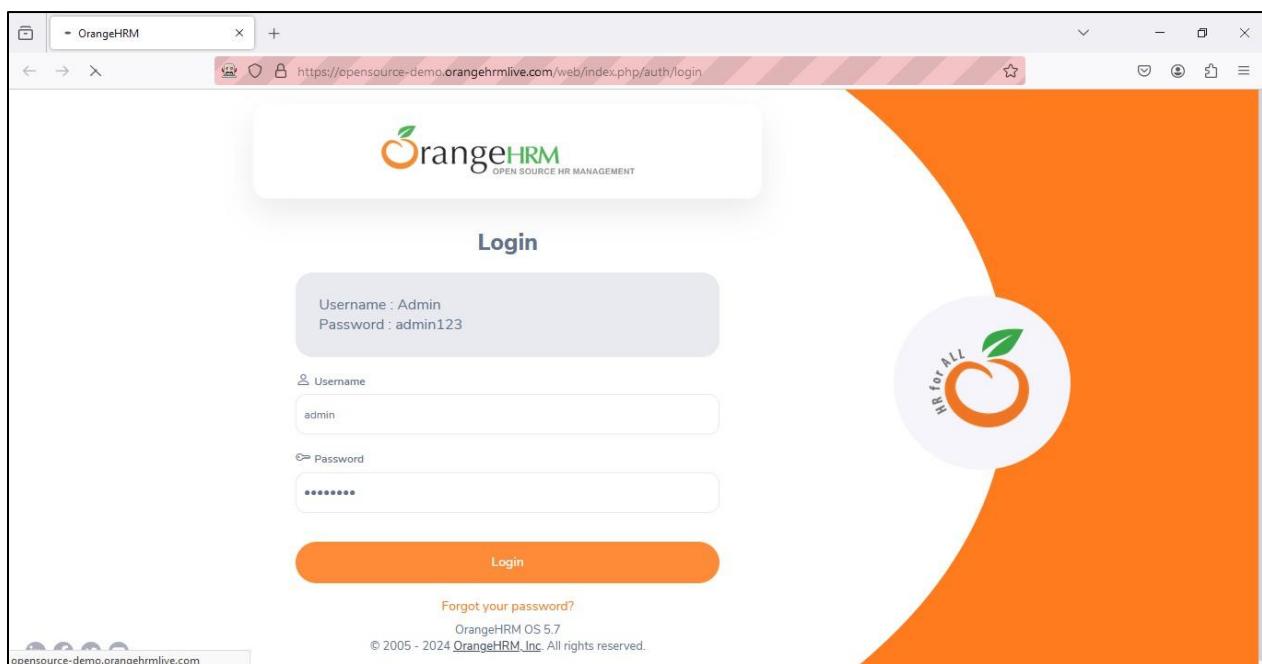
        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-
demo.orangehrmlive.com/");
        Thread.sleep(2000);
        wd.findElement(By.cssSelector("input[name='username']")).sendKeys("admi
n");
        wd.findElement(By.cssSelector("input[name='password']")).sendKeys("admi
n123");
        wd.findElement(By.cssSelector("button[type='submit']")).click();
    }
}
```

### 1.cssSelector

**OUTPUT :**

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The screenshot shows the OrangeHRM dashboard. The top navigation bar includes the OrangeHRM logo, a search bar, and user profile "Oliver Hofer". On the left, a sidebar menu lists various modules: Admin, PIM, Leave, Time, Recruitment, My Info, Performance, and several under "Dashboard" (Directory, Maintenance, Claim, Buzz). The main dashboard area contains several cards: "Time at Work" showing a punch-in history, "My Actions" listing tasks like "Timesheet to Approve", "Pending Self Review", and "Candidate to Interview", and "Quick Launch" buttons for "Assign Leave", "Leave List", "Timesheets", "Apply Leave", "My Leave", and "My Timesheet". Other cards include "Buzz Latest Posts" (showing a post from Oliver Sven Hofer), "Employees on Leave Today" (empty), and "Employee Distribution by Sub Unit" (a pie chart).

## 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");

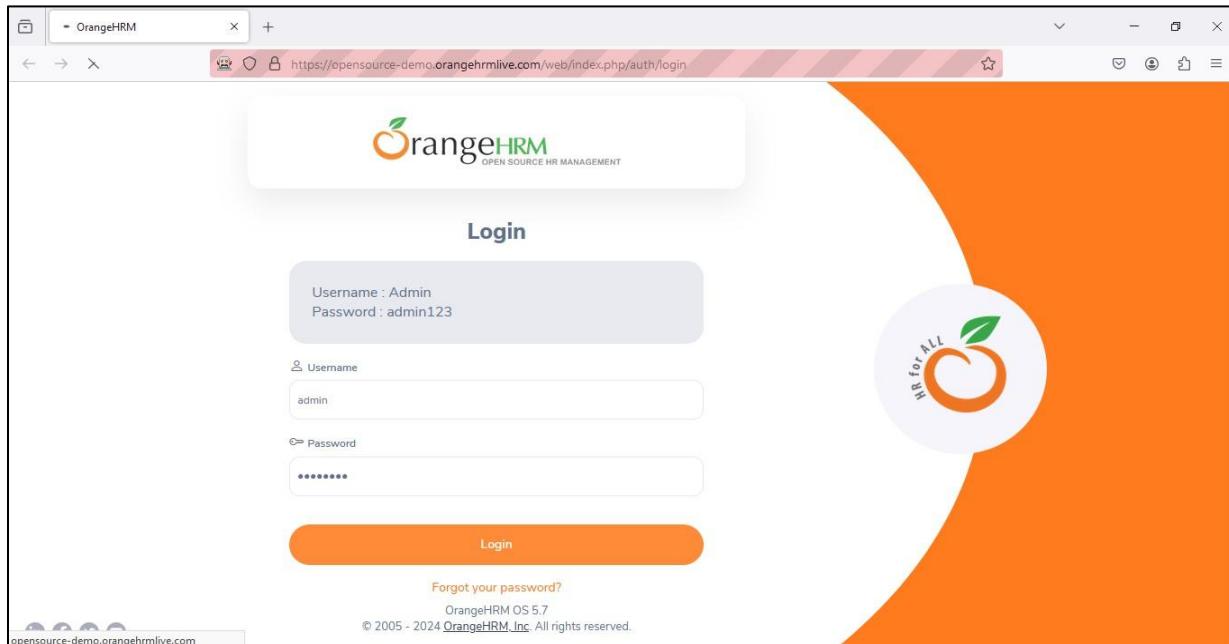
        wd.findElement(By.xpath("/html/body/div/div[1]/div/div[1]/div/div[2]/div[2]/form/div[2]/div/div[2]/input"))
            .sendKeys("admin123");

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

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## OUTPUT :



A screenshot of the OrangeHRM dashboard. The URL in the address bar is https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index. The dashboard has a header with the OrangeHRM logo, a user profile for "Oliver Hofer", and an "Upgrade" button. On the left is a sidebar with navigation links: Admin, PIM, Leave, Time, Recruitment, My Info, Performance, and several others like Directory, Maintenance, Claim, and Buzz. The main content area is divided into several cards: "Time at Work" showing a punch-in message, "My Actions" listing tasks like "Timesheet to Approve", "Pending Self Review", and "Candidate to Interview", and "Quick Launch" buttons for "Assign Leave", "Leave List", "Timesheets", "Apply Leave", "My Leave", and "My Timesheet". There are also cards for "Buzz Latest Posts" (showing a post from Oliver Sven Hofer), "Employees on Leave Today", and "Employee Distribution by Sub Unit" (a pie chart).

## 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 WebDriver
        wd = new FirefoxDriver();

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

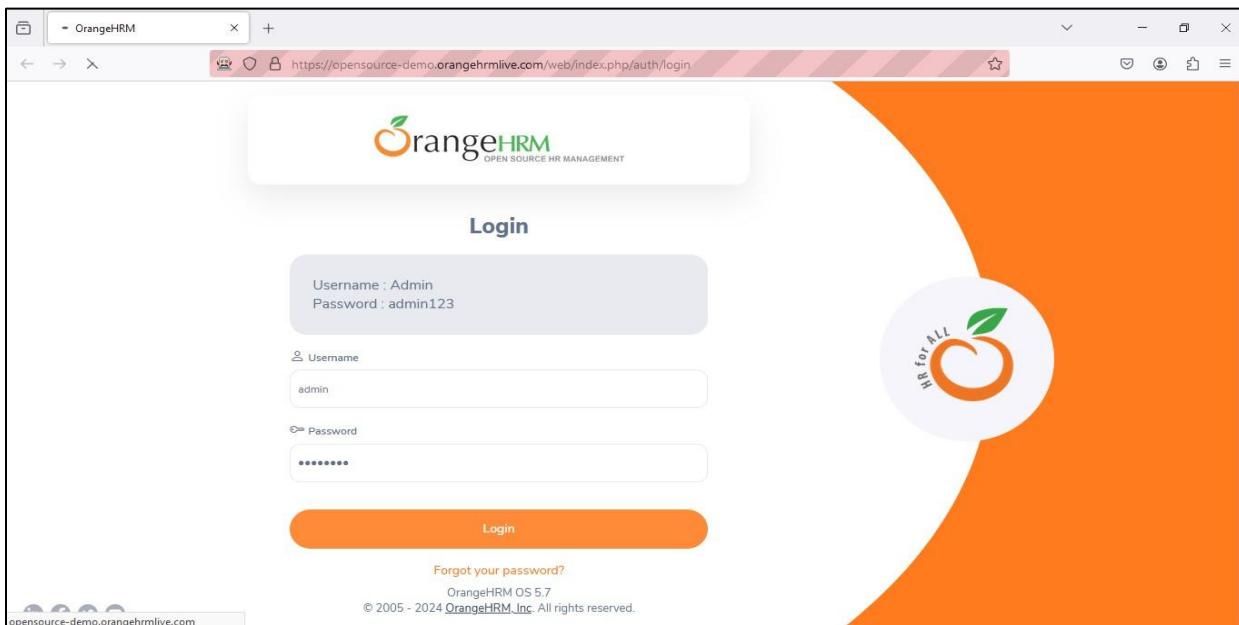
        // Wait for 2 seconds to ensure page loads
        Thread.sleep(2000);
        // Enter username in the username input field
        wd.findElement(By.xpath("//*[@id='app']/div[1]/div/div[1]/div/div[2]/div[2]/form/div[1]/div/div[2]/input"))
        .sendKeys("admin");
        // Enter password in the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

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## OUTPUT:



The screenshot shows the OrangeHRM dashboard. The top navigation bar includes links for "Upgrade" and "Nimra Shehuri". On the left, a sidebar menu lists various modules: Search, Admin, PIM, Leave, Time, Recruitment, My Info, Performance, and a highlighted "Dashboard". The main dashboard area features several cards: "Time at Work" showing "Punched In" at 10:15 PM (IST) on Aug 25, 2024, with a duration of 11h 50m Today; "My Actions" with items like "Pending Self Review" and "Candidate In Interview"; "Quick Launch" with icons for "Apply Leave", "Leave List", "Timesheet", "Apply Leave", "My Leave", and "My Timesheet"; "Buzz Latest Posts" showing a post from "Nimra Shehuri" dated 2024-08-25 11:11:11 AM; and "Employees on Leave Today" and "Employee Distribution by Sub Unit".

## Practical No : 7

**AIM: Demonstrate Synchronisation in Selenium (Implicit wait,Explicitly wait)**

### A.Implicit 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"
        );

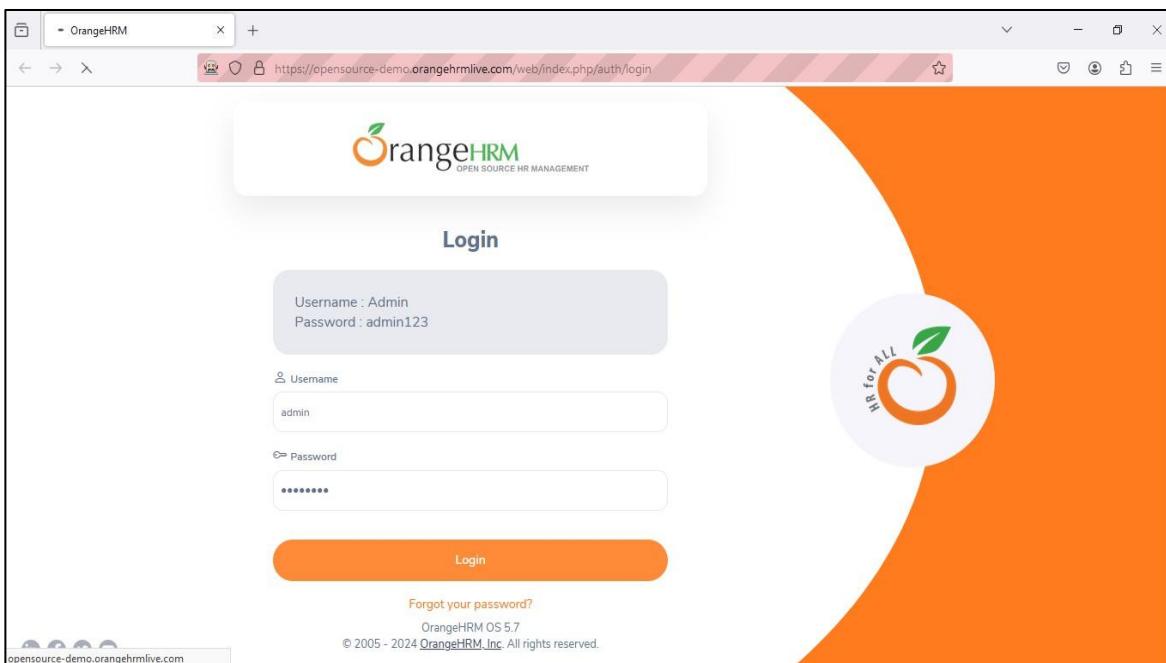
        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-
demo.orangehrmlive.com/"); Thread.sleep(2000);

        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();
    }
}
```

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## OUTPUT:



The screenshot shows the OrangeHRM dashboard. The left sidebar is titled "Dashboard" and lists various modules: Admin, PIM, Leave, Time, Recruitment, My Info, Performance, Directory, Maintenance, Claim, and Buzz. The "Buzz" module is currently selected and highlighted in orange. The main dashboard area features several cards: "Time at Work" showing a punch-in record for "Punched Out" at 11:24 PM (GMT 4) on Aug 11, "My Actions" with a pending self-review and a candidate to interview, "Quick Launch" with icons for Assign Leave, Leave List, Timesheets, Apply Leave, My Leave, and My Timesheet; "Employee Distribution by Sub Unit"; "Employees on Leave Today"; "Buzz Latest Posts" showing a post from "Nimna Shehani" on Aug 10 at 11:53 AM; and "Employee Distribution by Sub Unit". The top right corner shows the user profile "Nimna Shehani".

### 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"
        );

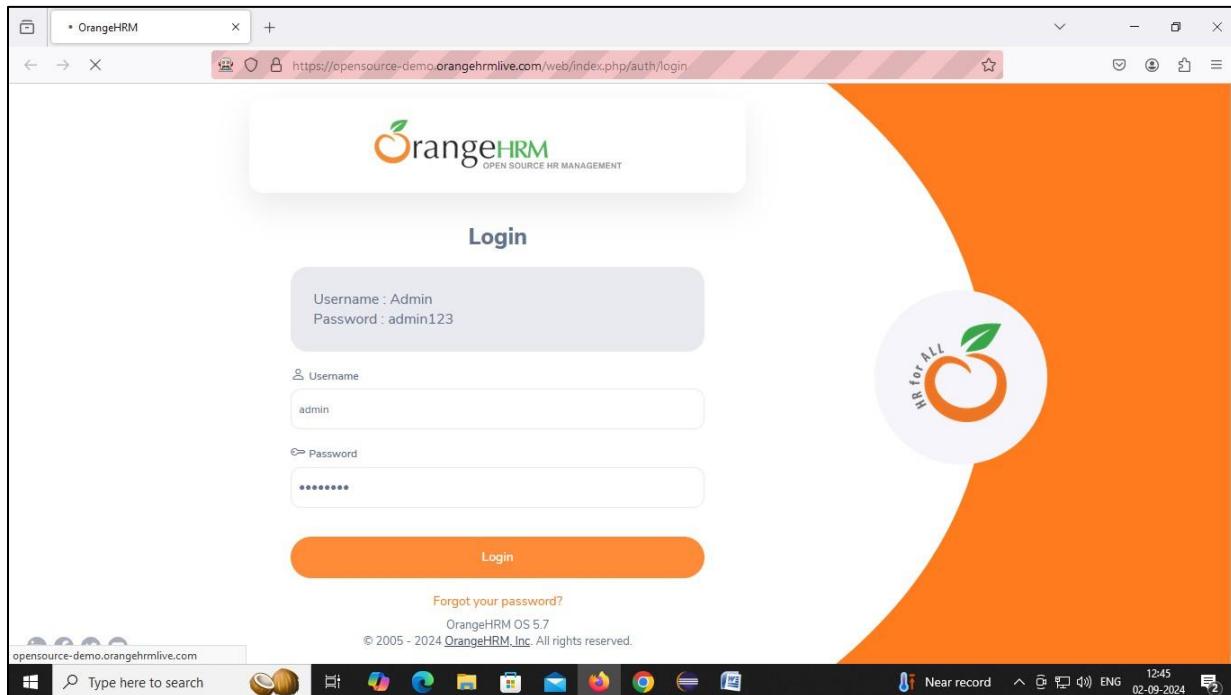
        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-demo.orangehrmlive.com/");

        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();
    }
}
```

## OUTPUT:



The screenshot shows the OrangeHRM dashboard. On the left, a sidebar menu lists various modules: Admin, PIM, Leave, Time, Recruitment, My Info, Performance, Dashboard (which is currently selected and highlighted in orange), Directory, Maintenance, Claim, and Buzz. The main content area is titled "Dashboard". It features several cards: "Time at Work" showing a punch record for today at 11:24 PM (GMT 4) with a duration of 0h 15m, "My Actions" listing "Pending Self Review" and "Candidate to Interview", "Quick Launch" with links for Assign Leave, Leave List, Timesheets, Apply Leave, My Leave, and My Timesheet, "Buzz Latest Posts" showing a recent post from "Nimna Shehani" dated 2024-10-08 12:26 PM, "Employees on Leave Today" showing one employee listed, and "Employee Distribution by Sub Unit" which is currently empty. The top right corner shows a user profile for "Nimna Shehani" and a dropdown menu with options for Upgrade, About, Support, Change Password, and Logout.

## Practical No : 8

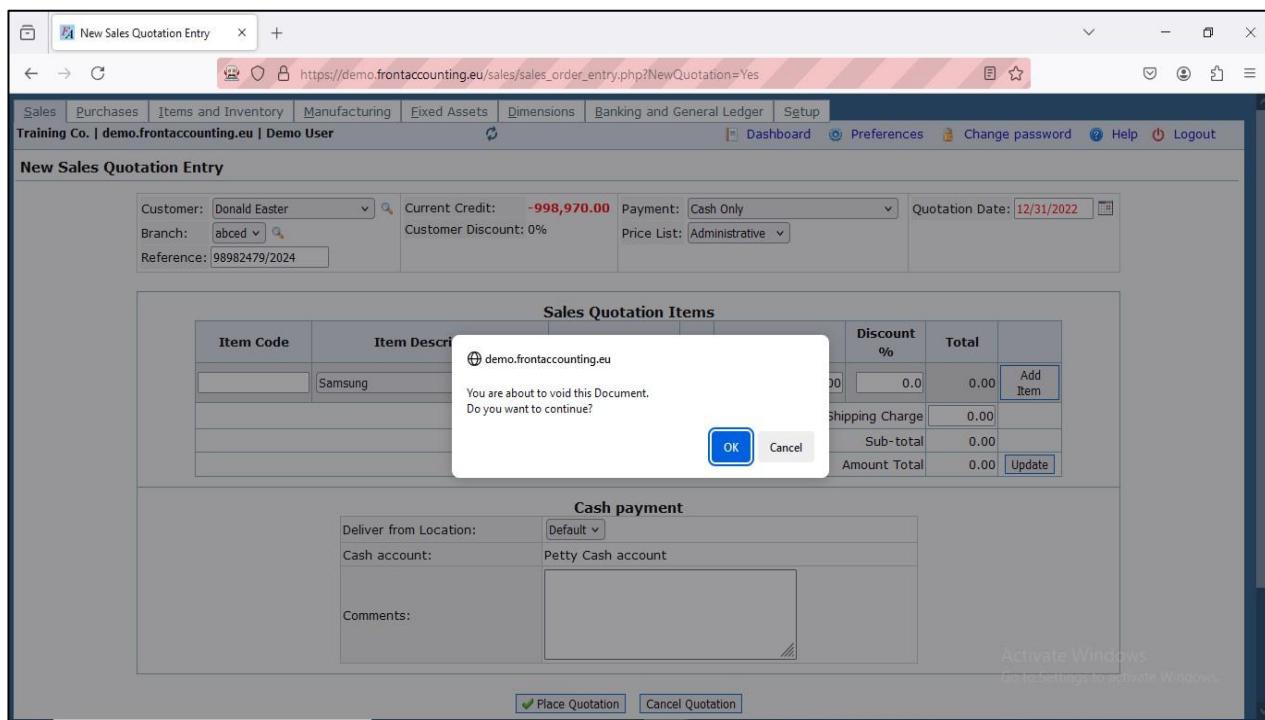
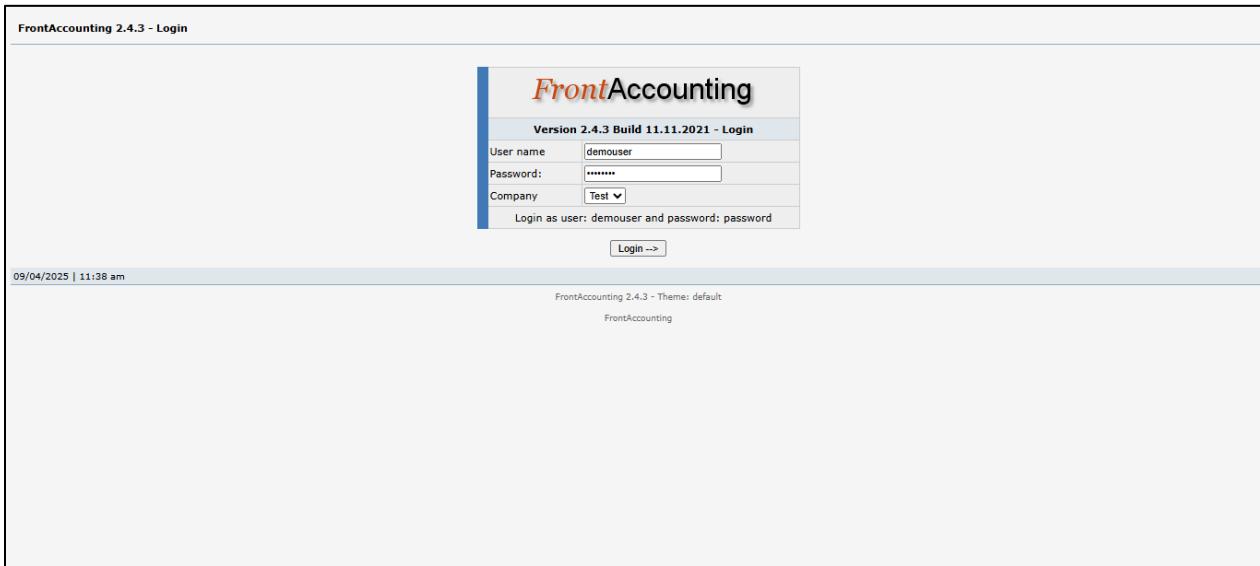
**Aim:- Demonstrate Different types of alerts.**

**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]/tabl
e/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:



## 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 :**

The screenshot shows the FrontAccounting 2.4.12 Login page. The URL is https://demo.frontaccounting.eu. The page title is "FrontAccounting". It displays the message "Version 2.4.12 Build 13.07.2022 - Login". The login form fields are filled with "demouser" for User name and "\*\*\*\*\*" for Password. A dropdown menu for Company is set to "Training Co.". A red error message at the bottom of the form says "Invalid password or username. Please, try again." Below the form is a "Login ->" button. At the bottom left, it shows the date and time as "09/21/2024 | 07:46 am". At the bottom center, it says "FrontAccounting 2.4.12 - Theme: default" and "FrontAccounting".

The screenshot shows the "New Sales Quotation Entry" screen. The URL is https://demo.frontaccounting.eu/sales/sale\_order\_entry.php?NewQuotation=Yes. The top navigation bar includes links for Sales, Purchases, Items and Inventory, Manufacturing, Fixed Assets, Dimensions, Banking and General Ledger, and Setup. The current user is "Training Co. | demo.frontaccounting.eu | Demo User". The main form is titled "New Sales Quotation Entry". It shows a header section with Customer: "Donald Easter", Current Credit: "-998,970.00", Payment: "Cash Only", Quotation Date: "12/31/2022", Branch: "abcd", Customer Discount: 0%, Price List: "Administrative", and Reference: "98982511/2922". Below this is a "Sales Quotation Items" table:

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

Below the table is a "Cash payment" section with "Deliver from Location: Default", "Cash account: Petty Cash account", and a "Comments:" text area. At the bottom are buttons for "Place Quotation" and "Cancel Quotation". A watermark "Activate Windows" is visible in the background.

The screenshot shows a confirmation screen after placing a new sales quotation. The URL is https://demo.frontaccounting.eu/sale\_order\_entry.php?AddedQU=1241. The top navigation bar and user information are identical to the previous screenshot. The main message is "Quotation # 1241 has been entered." Below this are three buttons: "View This Quotation", "Edit This Quotation", and "Email This Quotation". Further down are links for "Make Sales Order Against This Quotation" and "Enter a New Quotation". At the bottom left is a "Back" link, and at the bottom right is the copyright notice "FrontAccounting 2.4.12 - Theme: default - FrontAccounting".

**Practical No : 10**

**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();
}
```

**OUTPUT :**

**FrontAccounting 2.4.12 - Login**

**FrontAccounting**  
Version 2.4.12 Build 13.07.2022 - Login

User name: demouser  
Password:  Company: Training Co.

Invalid password or username. Please, try again.

Login -->

09/21/2024 | 07:46 am

FrontAccounting 2.4.12 - Theme: default  
FrontAccounting

**Customer Transactions**

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

**Customer Transactions**

Select a customer: Jash | All Types | From: 09/23/2024 | To: 10/23/2024 | Zero values | Search

Currency	Terms	Current	1-30 Days	31-60 Days	Over 60 Days	Total Balance
USD	Cash Only	0.00	0.00	0.00	0.00	0.00

Type # Order Reference Date Due Date Branch Amount

No records

Marked items are overdue.

Back

10/23/2024 | 08:50 am

F2 - Customers

FrontAccounting 2.4.12 - Theme: default -  
FrontAccounting

Activate Windows  
Go to Settings to activate Windows.

**Logout**

**FrontAccounting**

Thank you for using FrontAccounting 2.4.12

[Click here to Login Again.](#)

10/23/2024 | 08:52 am

FrontAccounting 2.4.12 - Theme: default -  
FrontAccounting

## 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:**

```
Console X Servers Results of running class prcat12
<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 {

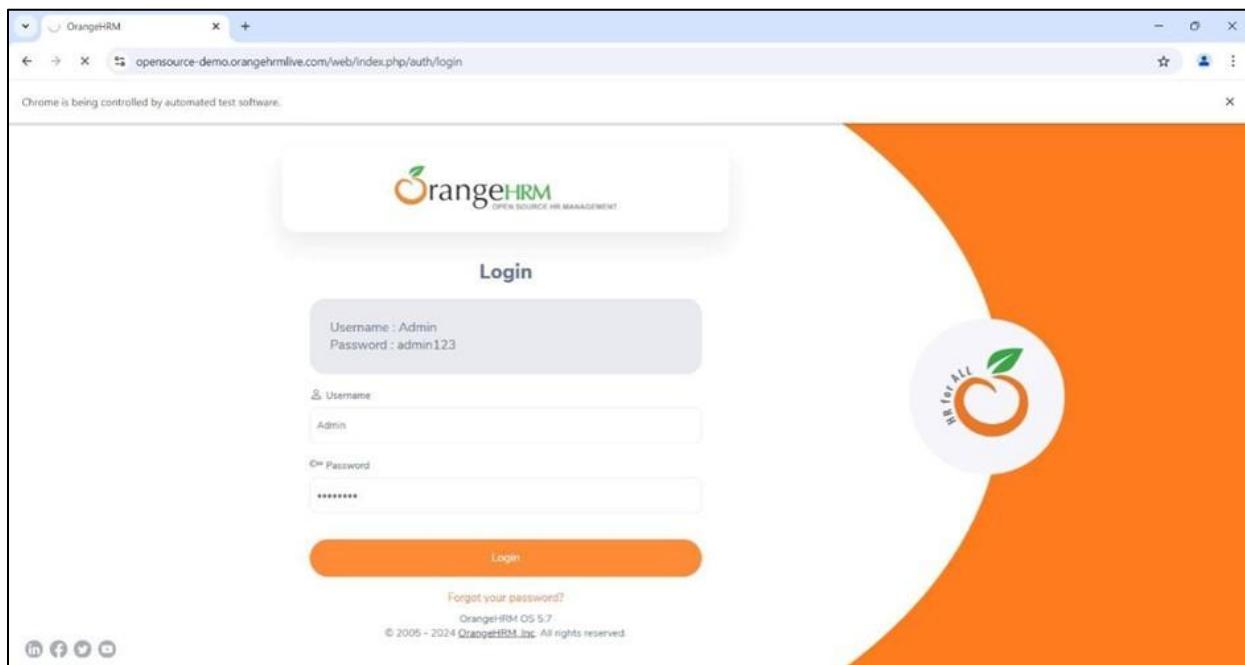
    @Test(dataProvider = "dp") public void f(String u, String p) {
        System.setProperty("webdriver.gecko.driver", "C:\\selenium web
driver\\ ChromeDriver\\ chromedriver - win64\\ chromedriver - win64\\ geckodriver.exe ");
        WebDriver wd = new FirefoxDriver();
        wd.get("https://opensource-demo.orangehrmlive.com/");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

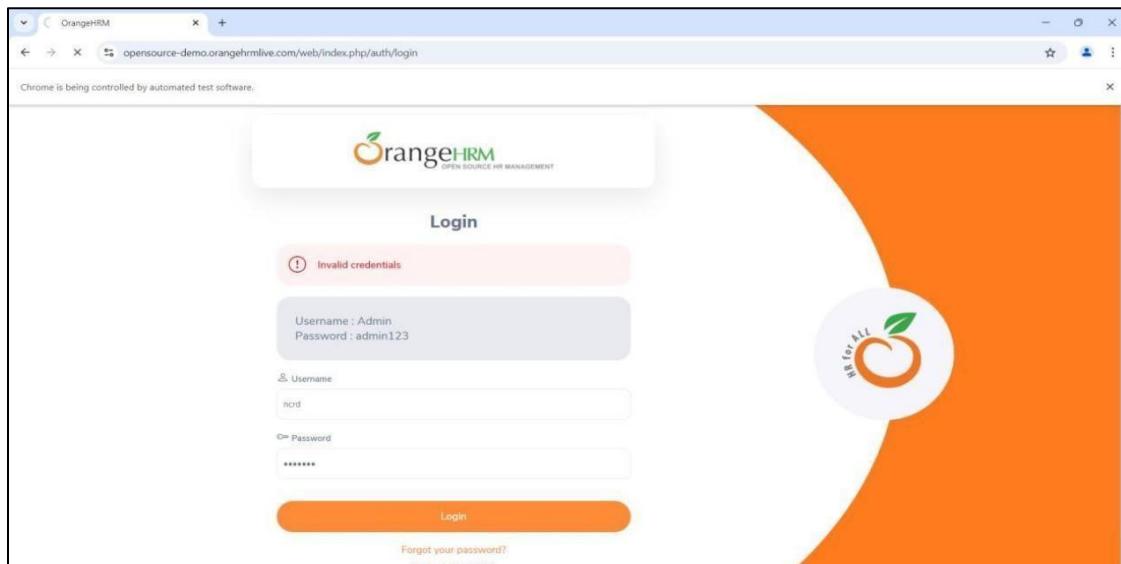
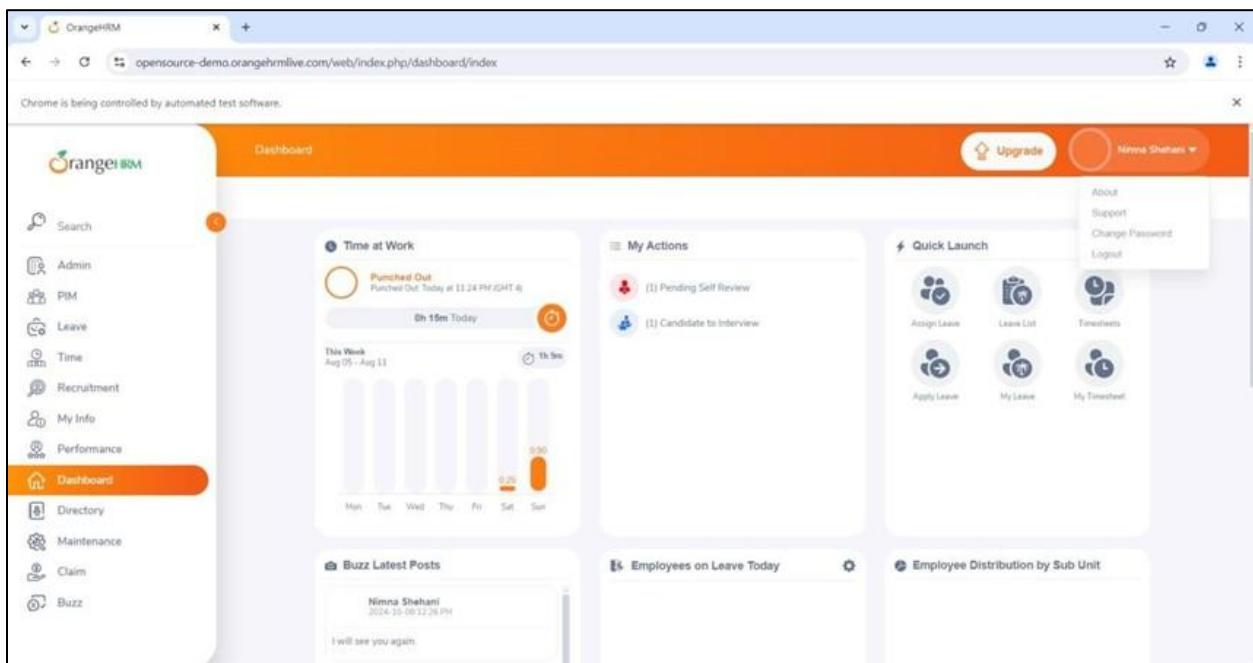
@DataProvider
public Object[][] dp() {
    return new Object[][] {
        {
            "Admin",
            "admin123"
        },
        {
            "add",
            "b"
        }
    };
}
```

## OUTPUT :



Name : Lathika Kotian

Roll No. : 98



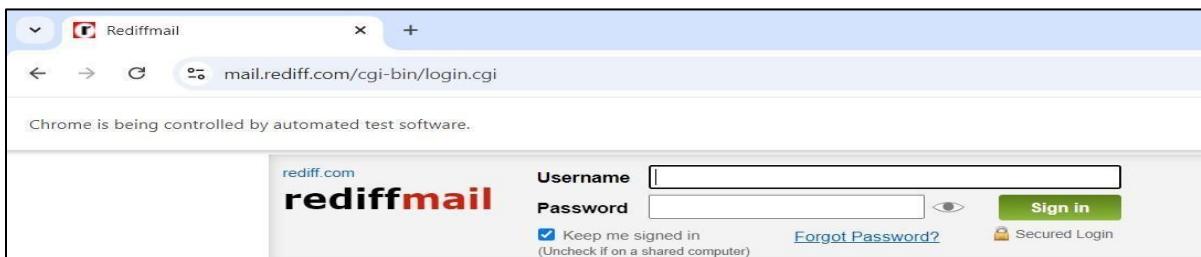
```
Console X Servers Results of running class prcat12C
<terminated> prcat12C [TestNG] C:\Program Files\Java\jdk-22\bin\javaw.exe (23 Oct 2024, 12:08:41 pm - 12:09:21 pm) [pid: 6848]
Pass
Fail
PASSED: f("Admin", "admin123")
PASSED: f("add", "b")

=====
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:

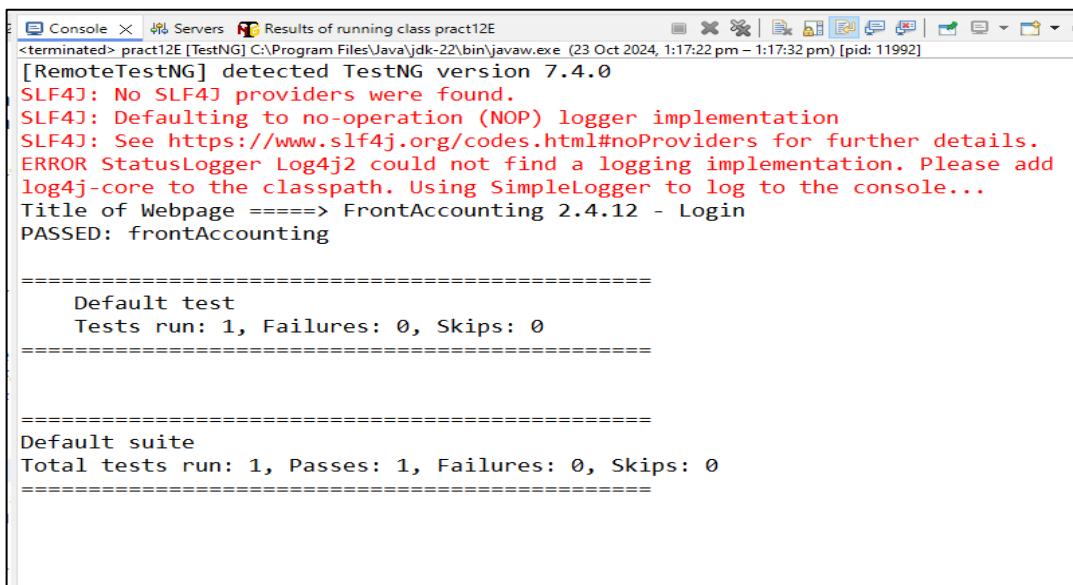


```
Console X Servers Results of running class pract12D
<terminated> pract12D [TestNG] C:\Program Files\Java\jdk-22\bin\javaw.exe (23 Oct 2024, 1:09:08 pm - 1:09:18 pm) [pid: 11848]
[RemoteTestNG] detected TestNG version 7.4.0
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) 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...
PASSED: ChekBox
    Checking status of checkbox
=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====
Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0
=====
```

## 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:



```
Console X Servers Results of running class pract12E  
<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 x +

demo.frontaccounting.eu/index.php

Chrome is being controlled by automated test software. x

FrontAccounting 2.4.12 - Login

**FrontAccounting**

Version 2.4.12 Build 13.07.2022 - Login

User name:

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

A screenshot of a web browser showing the FrontAccounting 2.4.12 login interface. The title bar says "FrontAccounting 2.4.12 - Login". The address bar shows "demo.frontaccounting.eu/index.php". A message at the top states "Chrome is being controlled by automated test software." Below the title, it says "FrontAccounting 2.4.12 - Login". The main area has a header "FrontAccounting" and a sub-header "Version 2.4.12 Build 13.07.2022 - Login". It contains three input fields: "User name" with the value "demouser", "Password" with the value "\*\*\*\*\*", and "Company" set to "Training Co.". Below these fields is a note "Login as user: demouser and password: password". A blue "Login →" button is at the bottom. At the very bottom of the browser window, there's a footer with the date and time "09/20/2024 | 07:08 pm" and copyright information "FrontAccounting 2.4.12 - Theme: default" and "FrontAccounting".

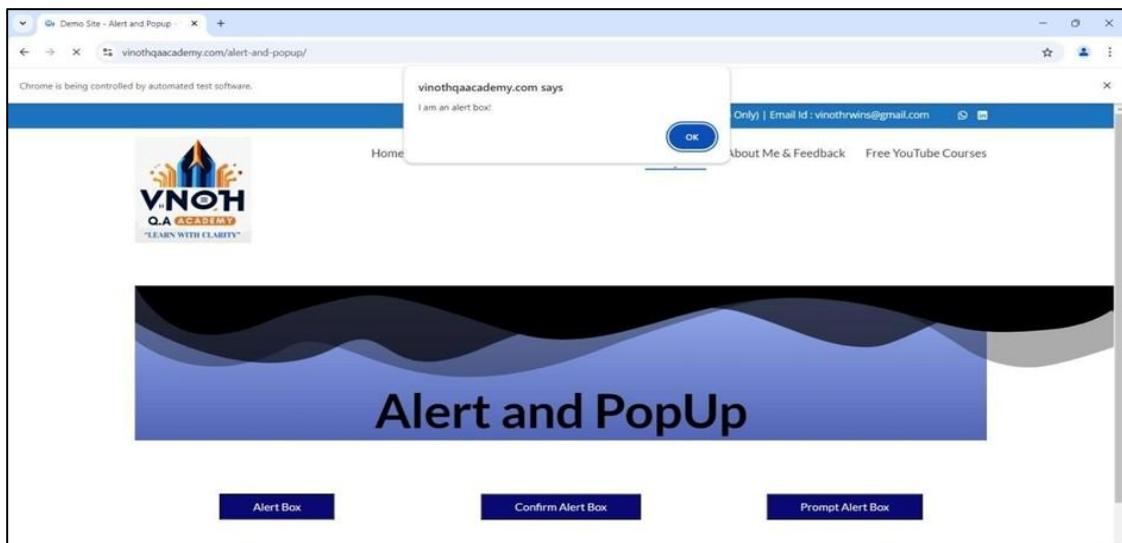
## F) DemoAlert

### 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/");

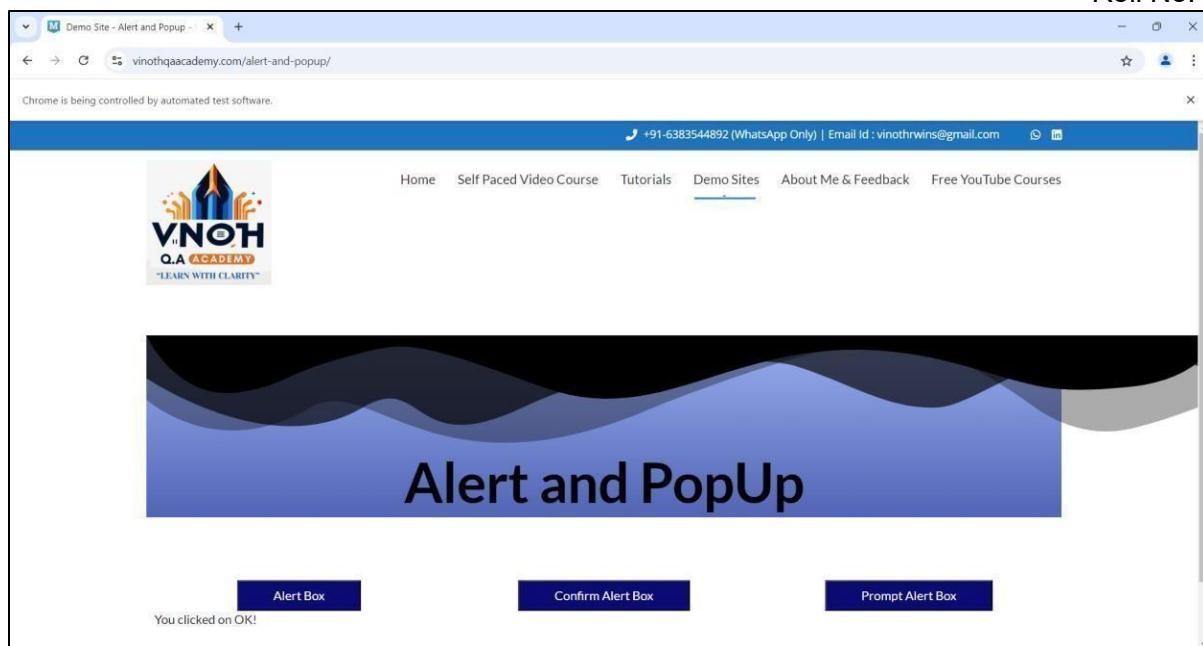
        wd.findElement(By.name("alertbox")).click();
        Thread.sleep(2000);
        Alert alt = wd.switchTo().alert();
        System.out.println("Text of Alert: " + alt.getText()); // capture alert text
        alt.accept(); // click on OK button
        wd.quit();
    }
}
```

### OUTPUT :



Name : Lathika Kotian

Roll No. : 98



The screenshot shows a Java application console window titled "Console". The log output is as follows:

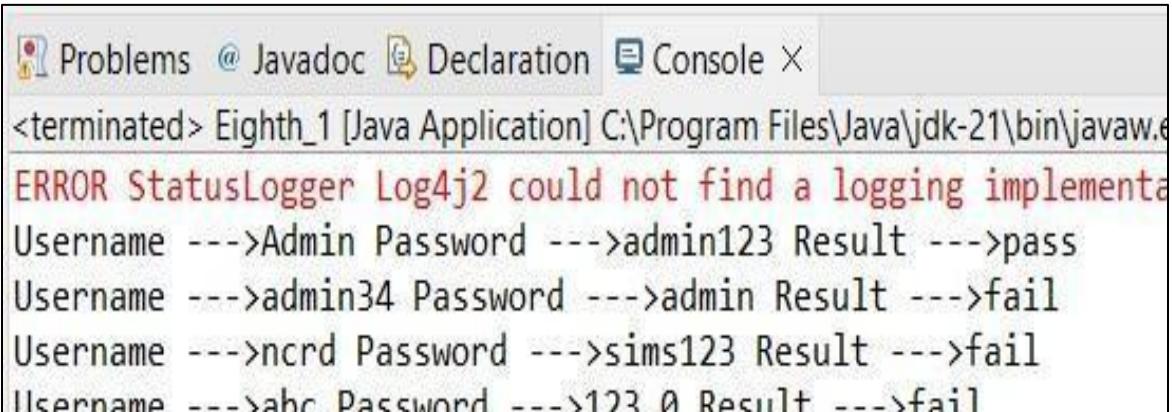
```
Console X Servers Results of running class pract12E
<terminated> pract12F1 [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (24 Oct 2024, 12:41:28 pm – 12:41:53 pm) [pid: 5272]
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: 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...
Text of Alert I am an alert box!
```

## 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();
    }
}
```



The screenshot shows an IDE interface with tabs for Problems, Javadoc, Declaration, and Console. The Console tab is active, displaying the output of the Java application. The output shows four rows of data being read from an Excel sheet:

```
<terminated> Eighth_1 [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe
ERROR StatusLogger Log4j2 could not find a logging implementation
Username --->Admin Password --->admin123 Result --->pass
Username --->admin34 Password --->admin Result --->fail
Username --->ncrd Password --->sims123 Result --->fail
Username --->abc Password --->123.0 Result --->fail
```

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Clipboard		Font		Alignment		Number				
Cut	Copy	Calibri	11	A <sup>^</sup>	A <sup>v</sup>	Wrap Text	General			
Paste	Format Painter	B	I	U	Grid	Merge & Center	%			
Clipboard	Font	Font	Font	Font	Font	Font	Font			
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	ncred	sims123	fail							
5	abc		1234 fail							

A screenshot of a web browser showing the OrangeHRM login page. The page features a large orange header with the text "OrangeHRM OPEN SOURCE HR MANAGEMENT". Below the header is a white box containing the "Login" title and a message indicating the user has entered "Username : Admin" and "Password : admin123". The main form fields for "Username" and "password" are present, with "Admin" typed into the username field and "\*\*\*\*\*" in the password field. A large orange "Login" button is centered below the form. At the bottom of the page, there is a link for "Forgot your password?" and copyright information: "OrangeHRM OS 5.7 © 2005 - 2024 OrangeHRM Inc. All rights reserved.". The footer also includes social media icons for LinkedIn, Facebook, YouTube, and Twitter.

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The screenshot shows the OrangeHRM web application dashboard. The top navigation bar includes the OrangeHRM logo, a search bar, and user profile information for 'Nimma Shehani'. The left sidebar contains a navigation menu with links to Admin, PIM, Leave, Time, Recruitment, My Info, Performance, and several dashboard modules. The main dashboard area features several cards: 'Time at Work' (status: Punched Out, today's punch-in time is 11:24 PM (GMT+4)), 'My Actions' (Pending Self Review, Candidate to Interview), 'Quick Launch' (links to Assign Leave, Leave List, Timesheets, Apply Leave, My Leave, and My Timesheet), 'Buzz Latest Posts' (post from Nimma Shehani on Aug 10, 2024, at 12:26 PM), 'Employees on Leave Today' (no data shown), and 'Employee Distribution by Sub Unit' (no data shown).

The screenshot shows the OrangeHRM login page. The top navigation bar includes the OrangeHRM logo, a search bar, and user profile information for 'Nimma Shehani'. The main content area is titled 'Login' and contains a form with fields for 'Username' (nord) and 'Password' (\*\*\*\*\*). A red error message box displays 'Invalid credentials'. Below the form is a large orange graphic featuring the OrangeHRM logo and the text 'HR for ALL'.

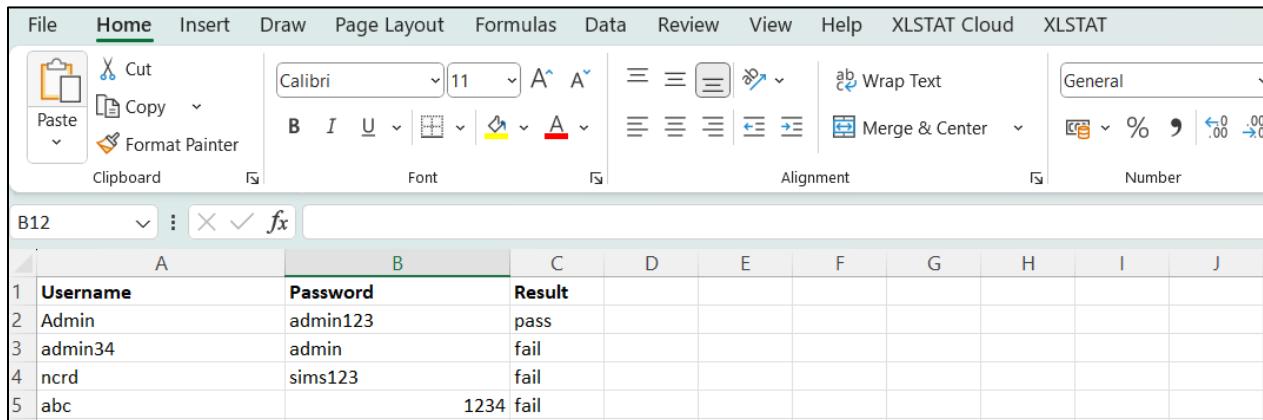
## Practical No : 13

**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"); XSSSSFWorkbook wb =
        new XSSSSFWorkbook(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:**

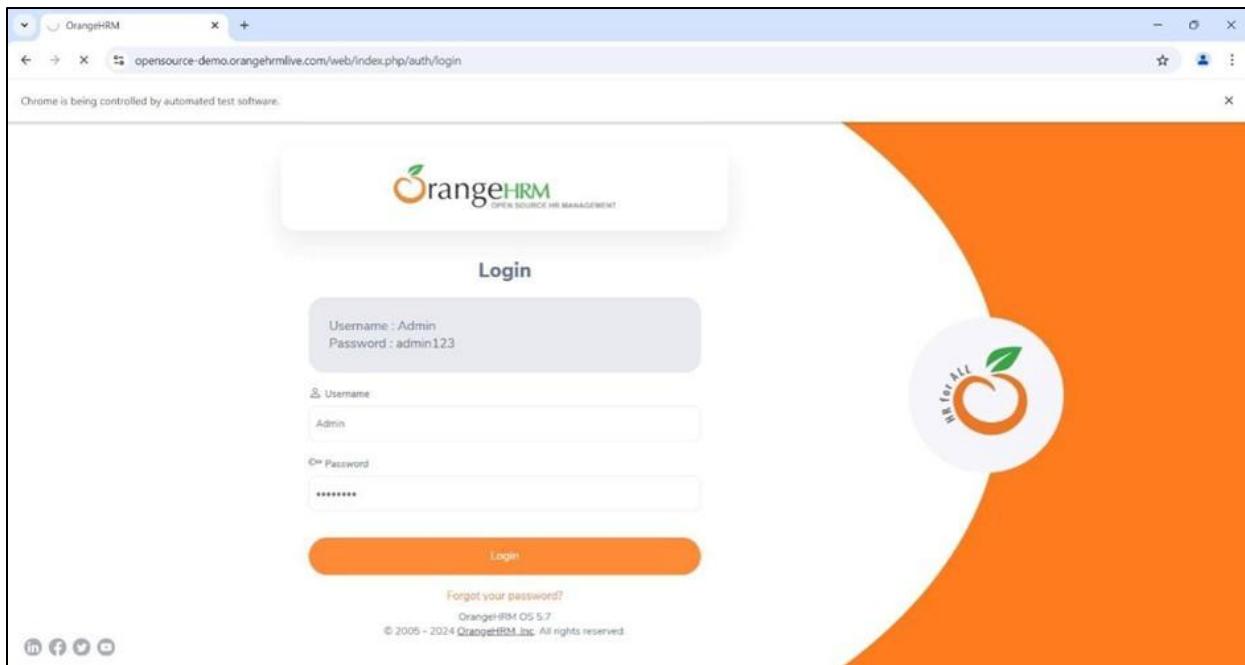
	A	B	C	D	E	F	G	H	I	J
1	Username	Password	Result							
2	Admin	admin123	pass							
3	admin34	admin	fail							
4	ncrd	sims123	fail							
5	abc		1234 fail							



```
Problems @ Javadoc Declaration Console <terminated> Eighth_3 [Java Application] C:\Program Files\Java\j Sept 19, 2024 8:25:51 PM org.openqa.selenium.dev WARNING: Unable to find an exact match for CDP v ERROR StatusLogger Log4j2 could not find a loggi username --> Admin Password --> admin123 Login Pass username --> admin34 Password --> admin Login Fail username --> ncrd Password --> sims123 Login Fail username --> abc Password --> 123.0 Login Fail
```

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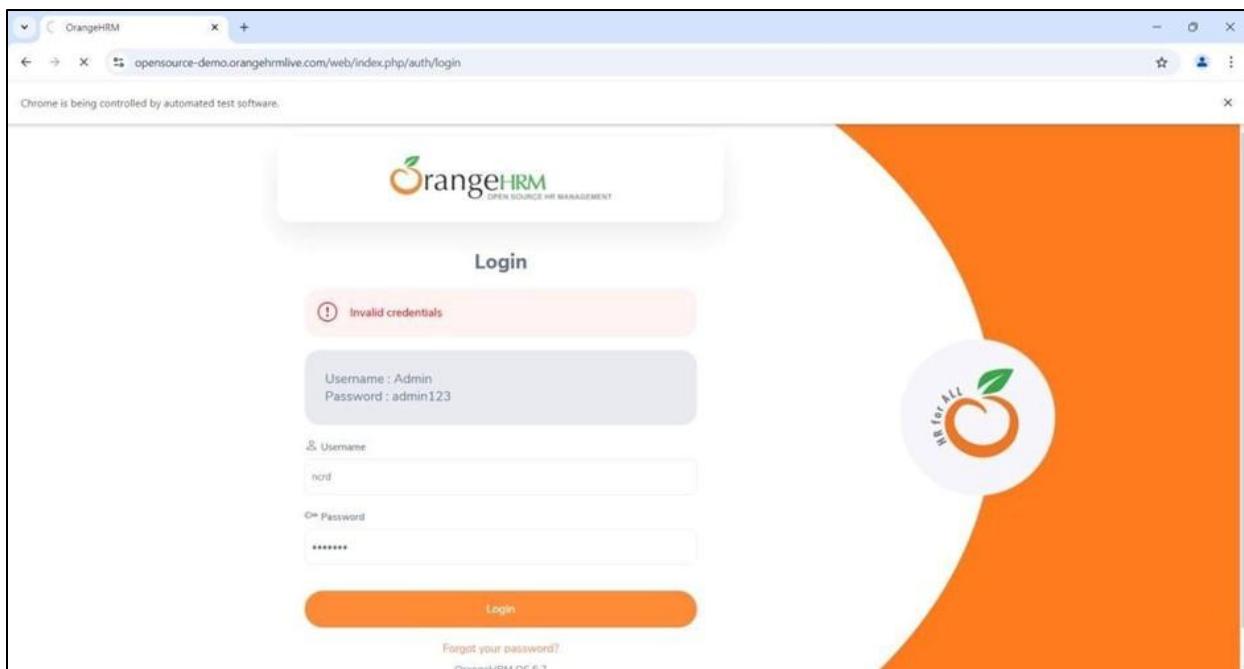
Roll No. : 98



A screenshot of the OrangeHRM dashboard. The left sidebar shows navigation options like Search, Admin, PIM, Leave, Time, Recruitment, My Info, Performance, and Dashboard (which is selected and highlighted in orange). The main dashboard area includes sections for "Time at Work" (showing a punch-in message and a weekly time summary), "My Actions" (listing pending self-review and candidate-to-interview tasks), and "Quick Launch" (links for Assign Leave, Leave List, Timesheets, Apply Leave, My Leave, and My Timesheet). Other visible sections include "Buzz Latest Posts" and "Employees on Leave Today". A top navigation bar includes "Upgrade", "Nimna Shahani", and a dropdown menu for "About", "Support", "Change Password", and "Logout".

Name : Lathika Kotian

Roll No. : 98



## Practical No : 14

**Aim : Validation Testing using chrome and bing.**

### A) Chrome

```
package Lathika98;

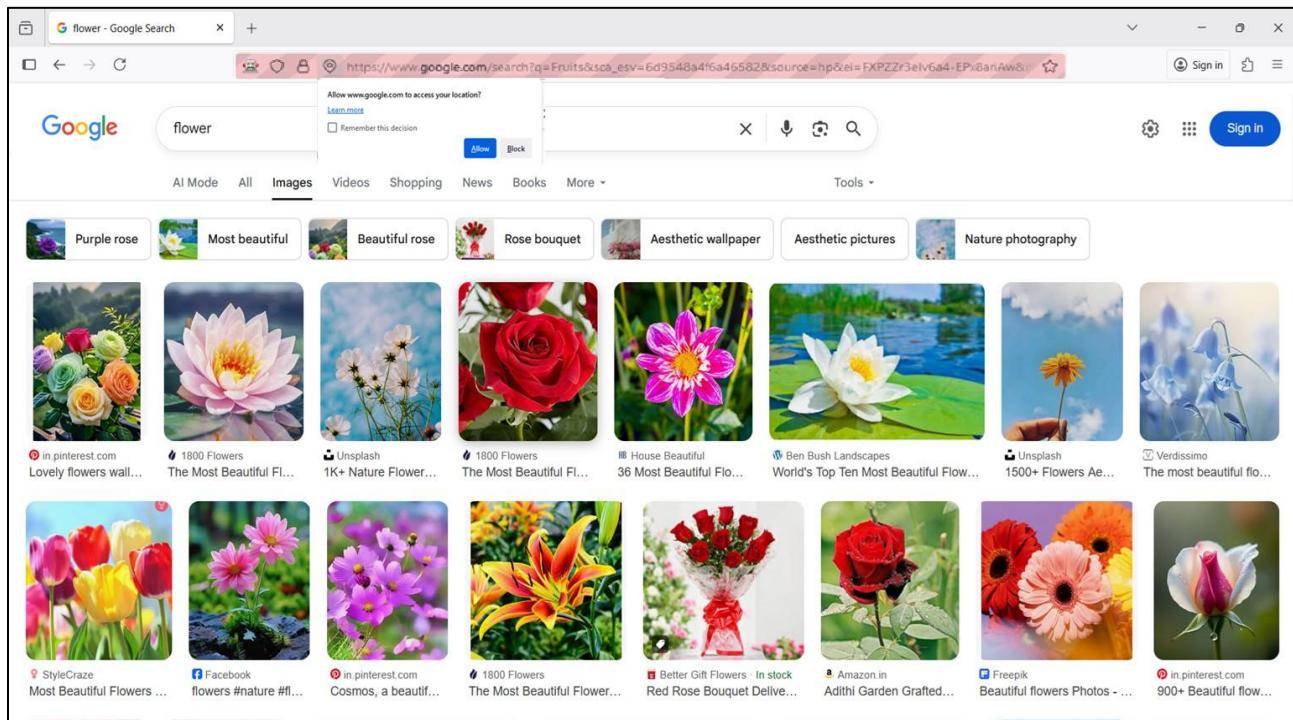
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

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);
    }
}
```

**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:

The screenshot shows a Bing search results page for the query "flowers". The search bar at the top contains the word "flowers". Below the search bar, there are several navigation links: ALL, SEARCH, SHOPPING, IMAGES, VIDEOS, MAPS, COPILOT, and MORE. A message indicates "About 526,000 results".

The first result is from "Floweraura" with the title "Flower Delivery in Panvel | Up to 30% Off & Same Day : FlowerAura". The snippet below the title describes flower delivery options in Panvel. To the right of this snippet is a large image of a bouquet of yellow roses.

On the right side of the page, there is a sidebar titled "Related Searches for flowers" which lists several search terms: "flower delivery taylorsville utah", "what do flower flowers symbolize", "types of flowers list", "different types of flowers", "sunflowers flowers", "types of flowers", "bouquet", and "florist in india".

At the bottom of the main search results area, there is a section titled "Images of Flowers >" followed by a horizontal row of five categories: "Arrangement", "Drawing", "Bouquet", "Photography", and a small "Next" button.