# Task 1

Open below application

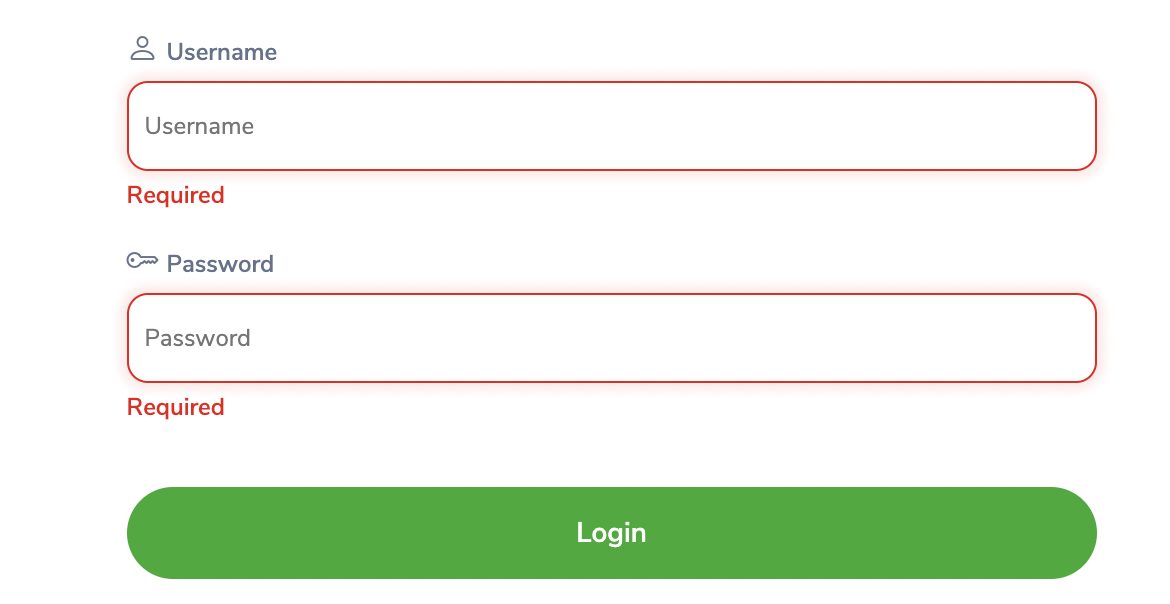
<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Click on login button (No need to enter login details)

Verify required fields present for username and password

Verify that username and password have border of 1px.

Note- use getCssProperty to fetch css details



package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Task1 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new ChromeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

//userName.sendKeys("Admin");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

String userNameBorder = userName.getCssValue("border");

System.out.println(userNameBorder);

if(userNameBorder.contains("1px")) {

System.out.println("UserName border is Matched");

}

else {

System.out.println("UserName border is not Matched");

}

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

String passwordBorder = password.getCssValue("border");

System.out.println(passwordBorder);

if(passwordBorder.contains("1px")) {

System.out.println("Password border is Matched");

}

else {

System.out.println("Password border is not Matched");

}

WebElement requiredTextUserName = driver.findElement(By.xpath("//input[@name='username']/parent::div/parent::div//span[text()='Required']"));

if(requiredTextUserName.isDisplayed()) {

System.out.println("Required Message for UserName is showing");

}else {

System.out.println("Required Message for UserName is Not showing");

}

WebElement requiredTextPassword = driver.findElement(By.xpath("//input[@name='password']/parent::div/parent::div//span[text()='Required']"));

if(requiredTextPassword.isDisplayed()) {

System.out.println("Required Message for Password is showing");

}else {

System.out.println("Required Message for Password is Not showing");

}

driver.quit();

}

}

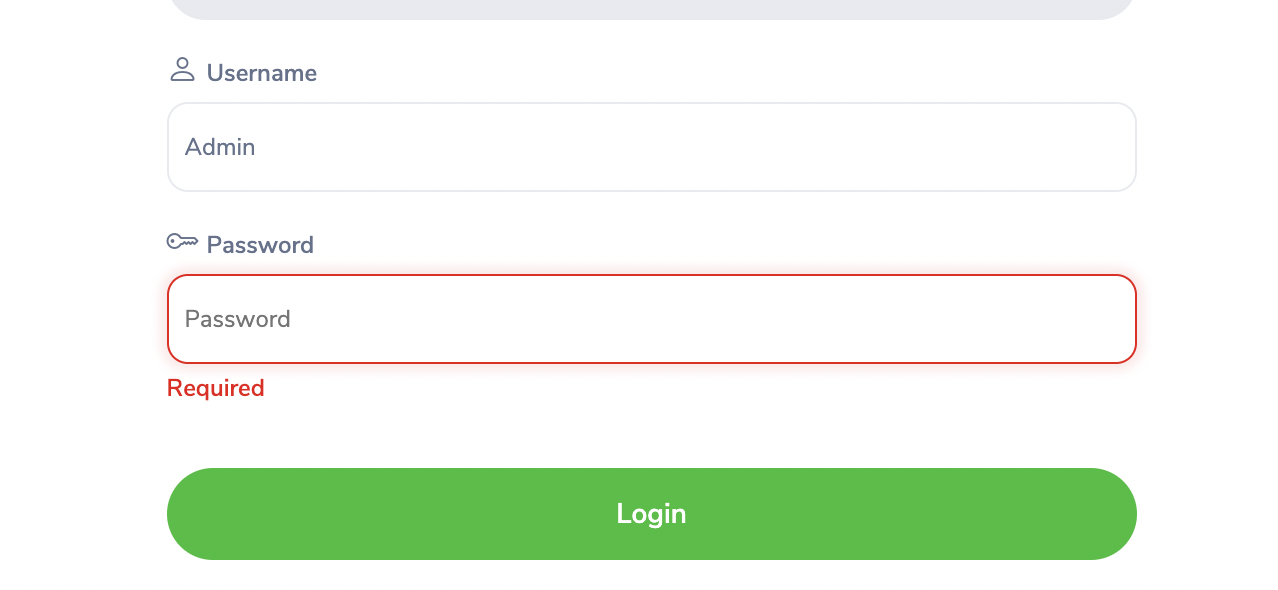
# Task 2

Open below application

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Enter username as admin and click on the login button

Verify password field is showing the required message.



package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Task2 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new ChromeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.*sleep*(3000);

WebElement userName = driver.findElement(By.*xpath*("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement login = driver.findElement(By.*xpath*("//button[text()=' Login ']"));

login.click();

WebElement requiredText = driver.findElement(By.*xpath*("//input[@name='password']/parent::div/parent::div//span[text()='Required']"));

if(requiredText.isDisplayed()) {

System.*out*.println("Required Message is showing");

}else {

System.*out*.println("Required Message is Not showing");

}

driver.quit();

}

}

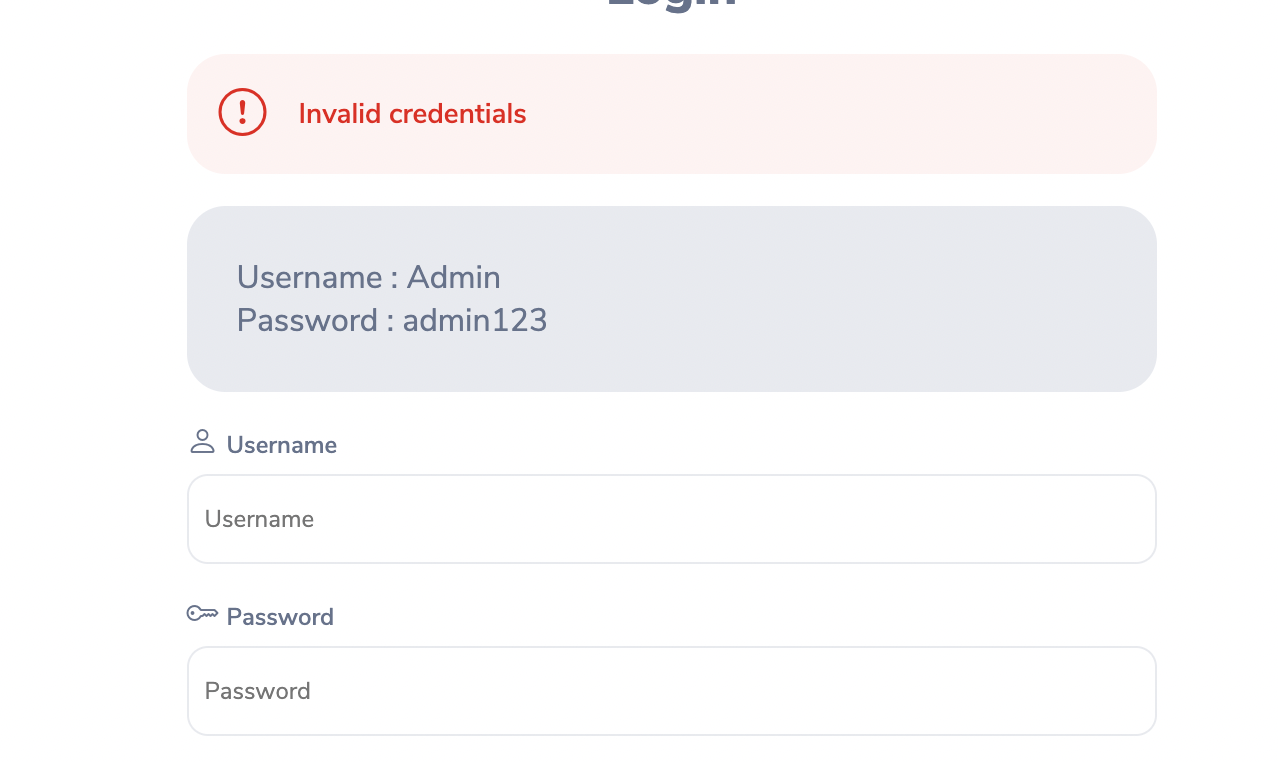
# Task 3

Open below application

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Enter username as admin and password as mukesh and click on the login button

Capture error message and verify message contains Invalid credentials



package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Task3 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new ChromeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

password.sendKeys("Mukesh");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

Thread.sleep(3000);

WebElement errorMsg = driver.findElement(By.xpath("//div[@role='alert']/div/p"));

if(errorMsg.getText().contains("Invalid credentials")) {

System.out.println("Pass");

}else {

System.out.println("Fail");

}

driver.quit();

}

}

# Task 4

Open below application

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Enter username as admin and password as admin123 and click on the login button

Capture the url and verify url contains dashboard

Click on image > Click on Logout

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Task4 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new ChromeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

password.sendKeys("admin123");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

Thread.sleep(3000);

String currentUrl = driver.getCurrentUrl();

if(currentUrl.contains("dashboard")) {

System.out.println("User is login successfully");

}else {

System.out.println("User is not login successfully");

}

WebElement serProfiledDrpDn = driver.findElement(By.xpath("//span[@class='oxd-userdropdown-tab']"));

serProfiledDrpDn.click();

WebElement logOutBtn =driver.findElement(By.xpath("//a[text()='Logout']"));

logOutBtn.click();

Thread.sleep(2000);

WebElement brandName = driver.findElement(By.xpath("//div[@class='orangehrm-login-branding']/img"));

if(brandName.isDisplayed()) {

System.out.println("User has successfully Logged Out.");

}

else {

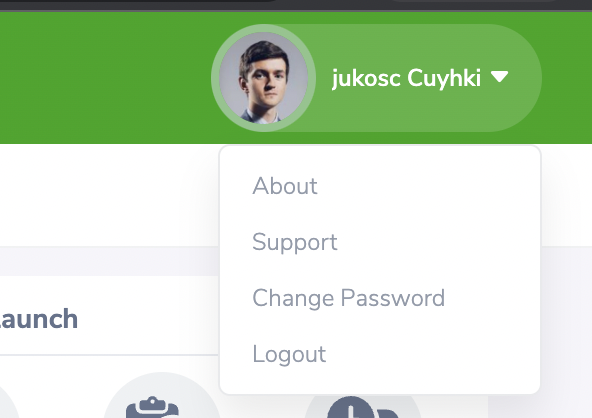
System.out.println("User has not successfully Logged Out.");

}

driver.quit();

}

}



Verify after logout the user is able to navigate to the login page.

# Task 5-

Run all the above tests in Chrome, Firefox, Edge Browser

Note: All above test cases has been run on Chrome

**Task 4 on Edge:**

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.edge.EdgeDriver;

public class TaskEdge {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new EdgeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

password.sendKeys("admin123");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

Thread.sleep(3000);

String currentUrl = driver.getCurrentUrl();

if(currentUrl.contains("dashboard")) {

System.out.println("User is login successfully");

}else {

System.out.println("User is not login successfully");

}

WebElement serProfiledDrpDn = driver.findElement(By.xpath("//span[@class='oxd-userdropdown-tab']"));

serProfiledDrpDn.click();

WebElement logOutBtn =driver.findElement(By.xpath("//a[text()='Logout']"));

logOutBtn.click();

Thread.sleep(2000);

WebElement brandName = driver.findElement(By.xpath("//div[@class='orangehrm-login-branding']/img"));

if(brandName.isDisplayed()) {

System.out.println("User has successfully Logged Out.");

}

else {

System.out.println("User has not successfully Logged Out.");

}

driver.quit();

}

}

**Task 3 on Edge:**

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.edge.EdgeDriver;

public class TaskEdge3 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new EdgeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

password.sendKeys("Mukesh");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

Thread.sleep(3000);

WebElement errorMsg = driver.findElement(By.xpath("//div[@role='alert']/div/p"));

if(errorMsg.getText().contains("Invalid credentials")) {

System.out.println("Pass");

}else {

System.out.println("Fail");

}

driver.quit();

}

}

**Task 2 on Edge:**

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.edge.EdgeDriver;

public class TaskEdge2 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new EdgeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

WebElement requiredText = driver.findElement(By.xpath("//input[@name='password']/parent::div/parent::div//span[text()='Required']"));

if(requiredText.isDisplayed()) {

System.out.println("Required Message is showing");

}else {

System.out.println("Required Message is Not showing");

}

driver.quit();

}

}

**Task 1 on Edge:**

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.edge.EdgeDriver;

public class TaskEdge1 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new EdgeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

//userName.sendKeys("Admin");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

String userNameBorder = userName.getCssValue("border");

System.out.println(userNameBorder);

if(userNameBorder.contains("1px")) {

System.out.println("UserName border is Matched");

}

else {

System.out.println("UserName border is not Matched");

}

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

String passwordBorder = password.getCssValue("border");

System.out.println(passwordBorder);

if(passwordBorder.contains("1px")) {

System.out.println("Password border is Matched");

}

else {

System.out.println("Password border is not Matched");

}

WebElement requiredTextUserName = driver.findElement(By.xpath("//input[@name='username']/parent::div/parent::div//span[text()='Required']"));

if(requiredTextUserName.isDisplayed()) {

System.out.println("Required Message for UserName is showing");

}else {

System.out.println("Required Message for UserName is Not showing");

}

WebElement requiredTextPassword = driver.findElement(By.xpath("//input[@name='password']/parent::div/parent::div//span[text()='Required']"));

if(requiredTextPassword.isDisplayed()) {

System.out.println("Required Message for Password is showing");

}else {

System.out.println("Required Message for Password is Not showing");

}

driver.quit();

}

}

**Task 1 run on FireFox:**

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.ie.InternetExplorerDriver;

public class TaskFireFox1 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new FirefoxDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

//userName.sendKeys("Admin");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

String userNameBorder = userName.getCssValue("border");

System.out.println(userNameBorder);

if(userNameBorder.contains("1px")) {

System.out.println("UserName border is Matched");

}

else {

System.out.println("UserName border is not Matched");

}

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

String passwordBorder = password.getCssValue("border");

System.out.println(passwordBorder);

if(passwordBorder.contains("1px")) {

System.out.println("Password border is Matched");

}

else {

System.out.println("Password border is not Matched");

}

WebElement requiredTextUserName = driver.findElement(By.xpath("//input[@name='username']/parent::div/parent::div//span[text()='Required']"));

if(requiredTextUserName.isDisplayed()) {

System.out.println("Required Message for UserName is showing");

}else {

System.out.println("Required Message for UserName is Not showing");

}

WebElement requiredTextPassword = driver.findElement(By.xpath("//input[@name='password']/parent::div/parent::div//span[text()='Required']"));

if(requiredTextPassword.isDisplayed()) {

System.out.println("Required Message for Password is showing");

}else {

System.out.println("Required Message for Password is Not showing");

}

driver.quit();

}

}

**Task 2 run on FireFox:**

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class TaskFireFox2 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new FirefoxDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

WebElement requiredText = driver.findElement(By.xpath("//input[@name='password']/parent::div/parent::div//span[text()='Required']"));

if(requiredText.isDisplayed()) {

System.out.println("Required Message is showing");

}else {

System.out.println("Required Message is Not showing");

}

driver.quit();

}

}

**Task 3 run on FireFox:**

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class TaskFireFox3 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new FirefoxDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

password.sendKeys("Mukesh");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

Thread.sleep(3000);

WebElement errorMsg = driver.findElement(By.xpath("//div[@role='alert']/div/p"));

if(errorMsg.getText().contains("Invalid credentials")) {

System.out.println("Pass");

}else {

System.out.println("Fail");

}

driver.quit();

}

}

**Task 4 run on FireFox:**

package assignment7;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

public class TaskFireFox4 {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new FirefoxDriver();

driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

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

Thread.sleep(3000);

WebElement userName = driver.findElement(By.xpath("//input[@name='username']"));

userName.sendKeys("Admin");

WebElement password = driver.findElement(By.xpath("//input[@name='password']"));

password.sendKeys("admin123");

WebElement login = driver.findElement(By.xpath("//button[text()=' Login ']"));

login.click();

Thread.sleep(3000);

String currentUrl = driver.getCurrentUrl();

if(currentUrl.contains("dashboard")) {

System.out.println("User is login successfully");

}else {

System.out.println("User is not login successfully");

}

WebElement serProfiledDrpDn = driver.findElement(By.xpath("//span[@class='oxd-userdropdown-tab']"));

serProfiledDrpDn.click();

WebElement logOutBtn =driver.findElement(By.xpath("//a[text()='Logout']"));

logOutBtn.click();

Thread.sleep(2000);

WebElement brandName = driver.findElement(By.xpath("//div[@class='orangehrm-login-branding']/img"));

if(brandName.isDisplayed()) {

System.out.println("User has successfully Logged Out.");

}

else {

System.out.println("User has not successfully Logged Out.");

}

driver.quit();

}

}