

## Module – 7 (Selenium Webdriver)

### 1. W.A.J.Script for Locating links by linkText() and partialLinkText()

```
package AssignmentModual7;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class LinktextPartialLinktext {

    public static void main(String[] args) throws InterruptedException
    {
        System.setProperty("webdriver.chrome.driver",
            "D:\\B\\autometion driver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("https://phptravels.com/demo/");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.findElement(By.linkText("Product")).click();
        Thread.sleep(2000);

        driver.findElement(By.xpath("//*[@id=\"mynavbar\"]/ul/li[2]/a/span")).click();
        Thread.sleep(2000);

        driver.findElement(By.linkText("CMSModules")).click();
        Thread.sleep(2000);

        driver.findElement(By.linkText("Company")).click();
        Thread.sleep(2000);
    }
}
```

```

driver.findElement(By.linkText("ContactUs")).click();
Thread.sleep(2000);

driver.close();
    }

}

```

## 2. W.A.J.Script for Selecting multiple items in a drop dropdown.

```

package AssignmentModual7;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class Dropdown2 {

    public static void main(String[] args) throws
        InterruptedException {
        System.setProperty("webdriver.chrome.driver",
            "D:\\B\\autometion driver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("https://phptravels.com/demo/");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.findElement(By.linkText("Product")).click();
        Thread.sleep(2000);

        driver.findElement(By.linkText("Themes")).click();
        Thread.sleep(2000);

        driver.findElement(By.linkText("Features")).click();
        Thread.sleep(2000);
    }
}

```

```
driver.findElement(By.linkText("CMS Modules")).click();
Thread.sleep(2000);
```

```
driver.findElement(By.linkText("Company")).click();
Thread.sleep(2000);
```

```
driver.close();
}
```

```
}
```

### 3. W.A.J. script to use different methods to manage the windows-alerts and pop ups.

```
package AssignmentModual7;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class windowalertandpopup {
```

```
    public static void main(String[] args) throws
    InterruptedException {
        System.setProperty("webdriver.chrome.driver",
        "D:\\B\\autometion driver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.get("https://www.parasoft.com/solutions/");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.findElement(By.linkText("Contact Us")).click();
        Thread.sleep(2000);
```

```
driver.findElement(By.id("email-7e18a454-1995-49f5-a907-
ddc7be450646")).sendKeys("bhumi@gamil.com");
Thread.sleep(2000);
```

```
driver.findElement(By.id("firstname-7e18a454-1995-49f5-a907-  
ddc7be450646")).sendKeys("bhumi");  
Thread.sleep(2000);
```

```
driver.findElement(By.id("lastname-7e18a454-1995-49f5-a907-  
ddc7be450646")).sendKeys("savaliya");  
Thread.sleep(2000);
```

```
driver.findElement(By.id("company-7e18a454-1995-49f5-a907-  
ddc7be450646")).sendKeys("TOPS");  
Thread.sleep(2000);
```

```
driver.findElement(By.id("jobtitle-7e18a454-1995-49f5-a907-  
ddc7be450646")).sendKeys("software testing and  
automaction");  
Thread.sleep(2000);
```

```
driver.findElement(By.id("phone-7e18a454-1995-49f5-a907-  
ddc7be450646")).sendKeys("8140828190");  
Thread.sleep(2000);
```

```
driver.findElement(By.id("country-7e18a454-1995-49f5-a907-  
ddc7be450646")).sendKeys("United States");  
Thread.sleep(2000);
```

```
driver.close();  
}  
  
}
```

#### **4. W.A.J.script to register your self in Gmail.**

```
package AssignmentModual7;  
    import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class GmailMyself {
```

```
    public static void main(String[] args) throws
```

```
        InterruptedException {
```

```
        System.setProperty("webdriver.chrome.driver",
        "D:\\B\\automation driver\\chromedriver.exe");
```

```
        WebDriver driver=new ChromeDriver();
```

```
        driver.get("https://accounts.google.com/v3/signin/challenge/pw
        d?TL=ALgCv6wPuTK6lGpzH_FK_EtotMKqS3Yjt7j72WOy1J5J-
        aHR6qaR9qkDNmKT-v-
```

```
        X&checkConnection=youtube%3A528&checkedDomains=youtub
        e&cid=1&continue=https%3A%2F%2Fmail.google.com%2Fmail%
        2F&dsh=S-
```

```
        801826232%3A1752214991630212&flowEntry=ServiceLogin&flo
        wName=GlifWebSignIn&hl=en&ifkv=AdBytiMDlxbao7mF_JpUz-
        Rn0kNA98fZxuN-c1Cb_srH4zrS_UQ1iGhG4z6uUHyOvN-
        RZs29SRBeJQ&pstMsg=1");
```

```
        Thread.sleep(2000);
```

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

```
        Thread.sleep(2000);
```

```
        driver.findElement(By.id("identifierId")).sendKeys("buhabhumi9
        27@gmail.com");
```

```
        Thread.sleep(2000);
```

```
        driver.findElement(By.xpath("//*[@id=\"identifierNext\"]/div/b
        utton/span")).click();
```

```
        Thread.sleep(2000);
```

```
        driver.findElement(By.xpath("//*[@id=\"next\"]/div/div/a")).cl
        ick();
```

```
        Thread.sleep(2000);
```

```
driver.findElement(By.id("identifierId")).sendKeys("buhabhumi9  
27@gmail.com");  
Thread.sleep(2000);
```

```
driver.findElement(By.xpath("//*[@id=\"identifierNext\"]/div/b  
utton/span")).click();  
Thread.sleep(2000);  
driver.findElement(By.xpath("//*[@id=\"next\"]/div/div/a")).cl  
ick();
```

```
driver.findElement(By.xpath("//*[@id=\"password\"]/div[1]/di  
v/div[1]/input")).sendKeys("tops@10305");  
Thread.sleep(2000);
```

```
driver.findElement(By.xpath("//*[@id=\"passwordNext\"]/div/b  
utton/div[3]")).click();  
Thread.sleep(2000);
```

```
driver.close();  
}
```

```
}
```

## 5. W.A.J. Script To perform the radio button to select one by one in loop

```
package AssignmentModual7;  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.support.ui.Select;  
import java.util.concurrent.TimeUnit;  
import java.util.List;
```

```
public class Radiobutton5 {
```

```
public static void main(String[] args) throws
```

```
InterruptedException {
```

```
System.setProperty("webdriver.chrome.driver",
```

```
"D:\\B\\automation driver\\chromedriver.exe");
```

```
WebDriver driver=new ChromeDriver();
```

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

```
driver.get("https://demo.automationtesting.in/Register.html");
```

```
List<WebElement> radios =
```

```
driver.findElements(By.name("radiooptions"));
```

```
for (WebElement radio : radios)
```

```
{
```

```
radio.click();
```

```
System.out.println("Selected: " + radio.getAttribute("value"));
```

```
Thread.sleep(1000);
```

```
}
```

```
driver.close();
```

```
}
```

**6. W.A.J. script To write the script for image of logo facebook using xpath.**

```
package AssignmentModual7;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.WebElement;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class FacebookXpath6 {
```

```
public static void main(String[] args) throws
```

```
InterruptedException {
```

```

System.setProperty("webdriver.chrome.driver",
"D:\\B\\autometion driver\\chromedriver.exe");
WebDriver driver=new ChromeDriver();
driver.get("https://www.facebook.com");
Thread.sleep(2000);
driver.manage().window().maximize();
Thread.sleep(2000);
WebElement
logo=driver.findElement(By.xpath("//*[@id=\"content\"]/div/div
/div/div[1]/div"));
Thread.sleep(2000);

if(logo.isDisplayed())
{
System.out.println("Facebook logo is visible.");
}
else {
System.out.println("Facebook logo is not visible");
}

driver.close();
}

}

```

## 7. W.A.J.Script To write a script for drop down.

```

package AssignmentModual7;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

```



```

import org.openqa.selenium.support.ui.Select;

public class Dropdown7 {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "D:\\B\\automation
driver\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("https://demo.automationtesting.in/Register.html");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.findElement(By.xpath("//*[@id=\"Skills\"]"));
        Thread.sleep(3000);
        WebElement skillsElement = driver.findElement(By.id("Skills"));
        Select skills = new Select(skillsElement);
        skills.selectByVisibleText("Android");
        Thread.sleep(3000);
        driver.close();
    }

}

```

## 8. W.A.J.Script To use Mouse and Keyboard event using Action class

### 1. Mouse Hover Event

```

package AssignmentModual7;

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

```

```

import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class MouseKeyboardEvent {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "D:\\B\\automation
driver\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://demo.automationtesting.in/Register.html");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.findElement(By.xpath("//*[@id=\"Skills\"]"));
        Thread.sleep(2000);
        WebElement skillsElement = driver.findElement(By.id("Skills"));
        Select skills = new Select(skillsElement);
        skills.selectByVisibleText("Android");
        Thread.sleep(2000);
        driver.close();
    }

}

```

## 2. Keyboard event

```

package AssignmentModual7;

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.interactions.Actions;

public class KeyboardEvent82 {

    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "D:\\B\\automation
driver\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://demo.automationtesting.in/Register.html");
        driver.manage().window().maximize();
        Thread.sleep(2000);

        driver.findElement(By.xpath("/html/body/div/div/div[2]/input")).sen
dKeys("bhum");
        Thread.sleep(3000);
        driver.findElement(By.xpath("/html/body/div/div/div[3]/input")).sen
dKeys("123456");
        Thread.sleep(2000);
        System.out.println("keyboard event");

        driver.close();
    }

}

```

## 9. W.A.J. Script How to handled Alert in selenium

<https://demo.automationtesting.in/Alerts.html>

```

package AssignmentModual7;

```

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

```
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
```

```
public class Alertwindow9 {
```

```
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "D:\\B\\automation
        driver\\chromedriver.exe");
```

```
        WebDriver driver = new ChromeDriver();
```

```
        driver.get("https://demo.automationtesting.in/Alerts.html");
```

```
        Thread.sleep(2000);
```

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

```
        Thread.sleep(2000);
```

```
        driver.findElement(By.xpath("/html/body/div[1]/div/div/div/div[1]/u
        l/li[2]/a")).click();
```

```
        Thread.sleep(2000);
```

```
        driver.findElement(By.xpath("//*[@id=\"CancelTab\"]/button")).click
        ();
```

```
        Thread.sleep(2000);
```

```
        Alert alert = driver.switchTo().alert();
```

```
        String alertMessage = alert.getText();
```

```
        System.out.println("Alert Message: " + alertMessage);
```

```
        driver.close();
```

```
    }
```

```
}
```

10. W.A.J. Script To find the total hyperlink from this web page <https://qavbox.github.io/demo/webtable/>

```
package AssignmentModual7;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class Hyperlink10 {
```

```
    public static void main(String[] args) throws
```

```
        InterruptedException {
```

```
        System.setProperty("webdriver.chrome.driver", "D:\\B\\automet  
ion driver\\chromedriver.exe");
```

```
        WebDriver driver = new ChromeDriver();
```

```
        driver.get("https://qavbox.github.io/demo/webtable/");
```

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

```
        driver.findElement(By.xpath("//*[@id=\"table01\"]/tbody/tr[1]/  
td[1]/input")).click();
```

```
        Thread.sleep(2000);
```

```
        driver.findElement(By.id("btn")).click();
```

```
        Thread.sleep(2000);
```

```
        driver.close();
```

```
    }
```

```
}
```

11. W.a.junit program to handled Assert class with all method to check its pass or fail.

```
package AssignmentModual7;
```

```
import org.junit.Assert;
import org.junit.Test;
public class HandledAssert11
{
    @Test
    public void testAssertEquals() {

        Assert.assertEquals("Checking if values are equal", 5, 5);

    }

    @Test
    public void testAssertNotEquals() {

        Assert.assertNotEquals("Checking if values are not equal", 5, 10);

    }

    @Test
    public void testAssertTrue() {

        Assert.assertTrue("Should be true", 10 > 5);

    }

    @Test
    public void testAssertFalse() {

        Assert.assertFalse("Should be false", 5 > 10);

    }

    @Test
    public void testAssertNull() {
```

```
Assert.assertNull("Should be null", null);
```

```
}
```

```
@Test
```

```
public void testAssertNotNull() {
```

```
Assert.assertNotNull("Should not be null", "JUnit");
```

```
}
```

```
@Test
```

```
public void testAssertSame() {
```

```
String str = "hello";
```

```
String sameStr = str;
```

```
Assert.assertSame("Both references should point to same  
object", str, sameStr);
```

```
}
```

```
@Test
```

```
public void testAssertNotSame() {
```

```
String str1 = new String("hello");
```

```
String str2 = new String("hello");
```

```
Assert.assertNotSame("Should not be same reference", str1,  
str2);
```

```
}
```

```
@Test
```

```
public void testAssertArrayEquals() {
```

```
int[] expected = {1, 2, 3};
```

```
int[] actual = {1, 2, 3};
```

```
Assert.assertEquals("Arrays should be equal", expected,  
actual);
```

```
}
```

```
}
```

## 12. W.a. junit program to perform test with webdriver to login process of facebook.

```
package AssignmentModual7;  
import org.junit.*;  
import org.openqa.selenium.*;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.support.ui.ExpectedConditions;  
import org.openqa.selenium.support.ui.WebDriverWait;  
  
public class WebdriverFacebook12 {  
  
    static WebDriver driver;  
    WebDriverWait wait;  
  
    @BeforeClass  
    public static void beforeClass() throws InterruptedException {  
        System.setProperty("webdriver.chrome.driver",  
            "D:\\B\\autometion driver\\chromedriver.exe");  
        driver= new ChromeDriver();  
        driver.manage().window().maximize();  
        driver.get("https://www.facebook.com");  
    }  
  
    @Test  
    public void testFacebookLoginInvalid() {  
        driver.findElement(By.id("email")).sendKeys("user@example.co  
m");
```



```

driver.findElement(By.id("pass")).sendKeys("invalidpassword");
driver.findElement(By.name("login")).click();

try {
    WebElement error =
    wait.until(ExpectedConditions.visibilityOfElementLocated(
    By.xpath("//div[contains(text(), \"The email\")] |
    //div[contains(text(), \"incorrect\")])));

    Assert.assertTrue("Error message displayed",
    error.isDisplayed());

} catch (TimeoutException e) {
    Assert.fail("Error message did not appear - possible UI/DOM
    change or timing issue.");
}
}

@AfterClass
public static void afterClass() {

    driver.quit();
}

}

```

**13. W.a. junit program to check gmail login using with @before,@after,@Test.**

```

package Assignment.testing;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.AfterClass;
import org.junit.*;
import org.openqa.selenium.*;
import org.openqa.selenium.chrome.ChromeDriver;

```

```
import org.openqa.selenium.support.ui.ExpectedConditions;  
import org.openqa.selenium.support.ui.WebDriverWait;
```

```
public class gmailloginDemo {  
    WebDriver driver;  
    WebDriverWait wait;
```

```
    @Test
```

```
    public void setUp() throws InterruptedException {  
        System.setProperty("webdriver.chrome.driver", "D:\\B\\auto  
        metion driver\\chromedriver.exe");
```

```
        driver = new ChromeDriver();  
        driver.manage().window().maximize();  
        Thread.sleep(2000);  
        driver.get("https://accounts.google.com/");  
    }
```

```
    @BeforeClass
```

```
    public void beforeClass() {  
        WebElement emailField =  
        wait.until(ExpectedConditions.visibilityOfElementLocated(By.  
        id("identifierId")));  
        emailField.sendKeys("invalidemail@gmail.com");  
        driver.findElement(By.id("identifierNext")).click();
```

```
        WebElement error =  
        wait.until(ExpectedConditions.visibilityOfElementLocated(  
        By.xpath("//div[contains(text(),'Couldn't find your Google  
        Account')]"))  
        ));
```

```
        Assert.assertTrue("Error message should be displayed for  
        invalid login", error.isDisplayed());  
    }
```

```

    @AfterClass
    public void afterClass() {
driver.quit();
    }

}

```

**14. W.a. junit program to use parameterized demo with multiple parameter of Facebook login in junit.**

```

package Assignment.testing;

```

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.*;
import org.testng.Assert;
import org.testng.annotations.*;

```

```

import java.util.concurrent.TimeoutException;
public class FacebookLoginParameterizedDemo {

```

```

    WebDriver driver;
    WebDriverWait wait;

```

```

@BeforeClass

```

```

    public void beforeClass() throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "D:\\B\\auto
metion driver\\chromedriver.exe");
    }

```

```

    driver = new ChromeDriver();
    driver.manage().window().maximize();
    Thread.sleep(2000);
    driver.get("https://www.facebook.com/");
}

```

```

        @DataProvider(name = "loginData")
        public Object[][] loginData() {
return new Object[][] {
{ "invalid1@example.com", "wrongpass1" },
{ "invalid2@example.com", "wrongpass2" },
    { "invalid3@example.com", "wrongpass3" }
};
}

@Test(dataProvider = "loginData")
public void testFacebookLoginInvalid(String email, String
password) throws TimeoutException {
driver.findElement(By.id("email")).sendKeys(email);
driver.findElement(By.id("pass")).sendKeys(password);
driver.findElement(By.name("login")).click();

WebElement error =
wait.until(ExpectedConditions.visibilityOfElementLocated(
By.xpath("//div[contains(text(), \"email\")] |
//div[contains(text(), \"incorrect\")]")
));
Assert.assertTrue(error.isDisplayed(), "Error message is not
displayed.");
}

@AfterClass
public void afterClass() {
driver.quit();
}

}

```

15. W.a. TestNG program to perform test with webdriver to login process of facebook.

```
package Assignment.testing;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.AfterClass;

import org.openqa.selenium.*;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.*;
import org.testng.Assert;
//import org.testng.annotations.*;

public class facebookTestDemo {
    WebDriver driver;
    WebDriverWait wait;

    @BeforeClass
    public void beforeClass() throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "D:\\B\\automation driver\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.get("https://www.facebook.com/");
    }

    @Test
    public void testInvalidFacebookLogin() {
        WebElement emailField = driver.findElement(By.id("email"));
        WebElement passwordField =
            driver.findElement(By.id("pass"));
        WebElement loginButton =
            driver.findElement(By.name("login"));

        emailField.sendKeys("invalid@example.com");
```

```

passwordField.sendKeys("invalidPassword123");
loginButton.click();

try {
    WebElement error =
    wait.until(ExpectedConditions.visibilityOfElementLocated(
    By.xpath("//div[contains(text(),'email')] |
    //div[contains(text(),'incorrect')]"));
    Assert.assertTrue(error.isDisplayed(), "Error message should
    be visible for invalid login.");
} catch (TimeoutException e) {
    Assert.fail("Login error message not found. Facebook may
    have updated the UI.");
}

}

@AfterClass
public void afterClass() {
    if (driver != null) {
        driver.quit();
    }

}
}

```

**16. W.a. junit program to check gmail login using with @before,@after,@Test.**

```

package Assignment.testing;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.AfterClass;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;

```

```
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
//import
org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;
```

```
//import java.time.Duration;
```

```
import static org.junit.Assert.assertTrue;
public class gmailloginDemo {
    WebDriver driver;
    WebDriverWait wait;
```

```
@BeforeClass
```

```
public void beforeClass() throws InterruptedException {
    System.setProperty("webdriver.chrome.driver", "D:\\B\\auto
    mation driver\\chromedriver.exe");
    driver = new ChromeDriver();
    driver.manage().window().maximize();
    Thread.sleep(2000);
    driver.get("https://accounts.google.com/");
}
```

```
@Test
```

```
public void setUp() throws InterruptedException {
    WebElement emailField =
    driver.findElement(By.id("identifierId"));
    emailField.sendKeys("bhumibuha@gmail.com");

    driver.findElement(By.id("identifierNext")).click();
    Thread.sleep(3000);
```

```
WebElement passwordField =
    driver.findElement(By.name("password"));
```

```

passwordField.sendKeys("bhumi@#2210");

driver.findElement(By.id("passwordNext")).click();
Thread.sleep(5000);

String currentUrl = driver.getCurrentUrl();
assertTrue("Login may have failed",
currentUrl.contains("myaccount") ||
currentUrl.contains("google.com"));

}

@AfterClass
public void afterClass() {

    if (driver != null) {
        driver.quit();
    }
}

}

```

**17. W.a. TestNG program to use parameterized demo with multiple parameter of Facebook login with TestNG.**

```

package Assignment.testing;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.AfterClass;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.Parameters;

public class multipleFacebooklogin {

```



```

WebDriver driver;
@BeforeClass
public void beforeClass() throws InterruptedException {
    System.setProperty("webdriver.chrome.driver", "D:\\B\\auto
    metion  driver\\chromedriver.exe");
    driver = new ChromeDriver();
    Thread.sleep(2000);
    driver.manage().window().maximize();
    driver.get("https://www.facebook.com/");
}
@Test
@Parameters({"email", "password"})
public void loginToFacebook(String email, String password) {
    WebElement emailField = driver.findElement(By.id("email"));
    WebElement passwordField =
    driver.findElement(By.id("pass"));
    WebElement loginButton =
    driver.findElement(By.name("login"));

    emailField.sendKeys("bhumisavaliya@gmail.com");
    passwordField.sendKeys("bhumi2250");
    loginButton.click();

    System.out.println("Login attempted with: " + email);
}
@AfterClass
public void afterClass() {
    driver.quit();
}

}

```

# 18. W.a. TestNG program to create group with testing.xml file

```

package Assignment.testing;

```

```

import org.testng.annotations.Test;

public class UserActionsTestDemo {

    @Test(groups = "login")
    public void loginTest() {
        System.out.println("Executing Login Test");
    }

    @Test(groups = "logout")
    public void logoutTest() {
        System.out.println("Executing Logout Test");
    }

    @Test(groups = "signup")
    public void signupTest() {
        System.out.println("Executing Signup Test");
    }

    @Test(groups = {"login", "security"})
    public void twoFactorTest() {
        System.out.println("Executing Two-Factor Authentication
Test");
    }

    @Test
    public void generalTest() {
        System.out.println("Executing General Test (no group)");
    }
}

```

**19. w.a. TestNG program to create dataprovider.**

```

package Assignment.testing;

import org.testng.annotations.DataProvider;

```

```
import org.testng.annotations.Test;

public class LoginDataProviderTestDemo {

    @Test(dataProvider = "loginData")
    public void loginTest(String username, String password) {
        System.out.println("Testing login with:");
        System.out.println("Username: " + username + ", Password: " + password);
    }

    @DataProvider(name = "loginData")
    public Object[][] getData() {
        return new Object[][] {
            {"user1@example.com", "pass123"},
            {"user2@example.com", "test456"},
            {"admin@example.com", "admin@2024"}
        };
    }
}
```