

Module – 7 (Selenium Webdriver)

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

```
package Assignmentmodel7;

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

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

        System.setProperty("webdriver.chrome.driver", "E:\\chrome
        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 Assignmentmodel7;
```

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

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

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

```
public class dropdown {
```

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

```
        System.setProperty("webdriver.chrome.driver", "E:\\chrome  
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 Assignmentmodel7;
```

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

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

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

```

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

public class windowsalertsandpopups {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "E:\\chrome
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("khushi38@gamil.com");
        Thread.sleep(2000);

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

        driver.findElement(By.id("lastname-7e18a454-1995-49f5-a907-
ddc7be450646")).sendKeys("patel");
        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("9173816590");
        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 Assignmentmodel7;

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", "E:\\chrome
driver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.get("https://accounts.google.com/v3/signin/challenge/pwd?TL=ALgCv
6wPuTK6lGpzH_FK_EtotMKqS3Yjt7j72WOy1J5J-aHR6qaR9qkDNmKT-v-
X&checkConnection=youtube%3A528&checkedDomains=youtube&cid=1&contin
ue=https%3A%2F%2Fmail.google.com%2Fmail%2F&dsh=S-
801826232%3A1752214991630212&flowEntry=ServiceLogin&flowName=GlifWe
bSignIn&hl=en&ifkv=AdBytiMDIxbao7mF_JpUz-Rn0kNA98fZxuN-
c1Cb_srH4zrS_UQ1iGhG4z6uUHyoVN-RZs29SRBeJQ&pstMsg=1");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        Thread.sleep(2000);

        driver.findElement(By.id("identifierId")).sendKeys("Topstesting825@gmail.co
m");
        Thread.sleep(2000);

        driver.findElement(By.xpath("//*[@id=\"identifierNext\"]/div/button/span"))
.click();
        Thread.sleep(2000);

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

        driver.findElement(By.id("identifierId")).sendKeys("Topstesting825@gmail.co
m");
        Thread.sleep(2000);

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

```

        driver.findElement(By.xpath("//*[@id=\"password\"]/div[1]/div/div[1]/input
   ")).sendKeys("tops@12345");
        Thread.sleep(2000);

        driver.findElement(By.xpath("//*[@id=\"passwordNext\"]/div/button/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

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

```

package Assignmentmodel7;

import java.util.List;

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;

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

        System.setProperty("webdriver.chrome.driver", "E:\\ch
    rome driver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();
        driver.manage().window().maximize();

        driver.get("https://demo.automationtesting.in/Regist
    er.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 Assignmentmodel7;
```

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

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

```
        System.setProperty("webdriver.chrome.driver", "E:\\chrome
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/d
iv/div/div[1]/div"));
```

```
        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 Assignmentmodel7;

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 dropdownautomactiontesting {
    public static void main(String[] args) throws
InterruptedException {
        System.setProperty("webdriver.chrome.driver", "E:\\chrome
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(2000);
        WebElement skillsElement =
driver.findElement(By.id("Skills"));
        Select skills = new Select(skillsElement);
        skills.selectByVisibleText("Android");
        Thread.sleep(2000);
        driver.close();
    }
}

```

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

1. Mouse Hover Even

```
package Assigmentmodel7;

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

        System.setProperty("webdriver.chrome.driver", "E:\\ch
        rome driver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.get("https://demo.automationtesting.in/Register.ht
        ml");

        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 Assignmentmodel7;

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

        System.setProperty("webdriver.chrome.driver", "E:\\chrome
        driver\\chromedriver.exe");
        WebDriver driver=new ChromeDriver();

        driver.get("https://demo.automationtesting.in/SignIn.html
        ");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        Thread.sleep(2000);

        driver.findElement(By.xpath("/html/body/div/div/div[2]/in
        put")).sendKeys("khushi");
        Thread.sleep(2000);

        driver.findElement(By.xpath("/html/body/div/div/div[3]/in
        put")).sendKeys("12345");
        Thread.sleep(2000);

        driver.close();
    }
}
```

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

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

```
package Assignmentmodel7;
```

```

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

        System.setProperty("webdriver.chrome.driver", "E:\\chrome
        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/div[1]/ul/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 Assigmentmodel7;

```

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

public class hyperlinkDemo {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "E:\\chrome
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 Assignment.testing;

import org.testng.annotations.Test;
import org.junit.Assert;

public class AssertclassDemo {
    @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.assertArrayEquals("Arrays should be equal", expected, actual);

}
}

```

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

```

package Assignment.testing;

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 FacebookLoginTestDemo {

    WebDriver driver;
    WebDriverWait wait;

    @BeforeClass
    public void beforeClass() throws InterruptedException {

        System.setProperty("webdriver.chrome.driver", "E:\\chrome
driver\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.get("https://www.facebook.com");
    }

    @Test
    public void testFacebookLoginInvalid() {

        driver.findElement(By.id("email")).sendKeys("invaliduser@exam
ple.com");

        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 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","E:\\chrome
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",
"path/to/chromedriver"); // Set correct path
        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", "E:\\chrome
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","E:\\chrome
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("khushigodhani38@gmail.com");

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

        WebElement passwordField =
driver.findElement(By.name("password"));
        passwordField.sendKeys("khushi@#3110");

        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","E:\\chrome
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("khushi38@gmail.com");
    passwordField.sendKeys("khushi3110");
    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"}
        };
    }
}

```

}