Assignment 1 – Action Class

Objective: Practice mouse and keyboard interactions.

Scenario:

Open the DemoQA site →
https://demoqa.com/buttons

Perform:

Double Click on "Double Click Me" button.

Right Click on "Right Click Me" button.

Single Click on the third "Click Me" button.

Print the text messages that appear after each click action.

Extra Challenge:

Visit https://demoqa.com/dragabble and drag the element from its position to another point.

package selenium_package;

import org.openqa.selenium.*;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class Action_Practice {

```java
public static void main(String[] args) throws
InterruptedException
    {
        WebDriver driver=new ChromeDriver();
        driver.get("https://demoqa.com/buttons");
        Thread.sleep(3000);
        driver.manage().window().maximize();


        WebElement
doubleclick=driver.findElement(By.id("doubleClickBtn")
);
        Actions act=new Actions(driver);
        act.doubleClick(doubleclick).perform();


        Thread.sleep(3000);
        WebElement
rightclick=driver.findElement(By.id("rightClickBtn"));
        act.contextClick(rightclick).perform();

        //perofrm mouse over actions
```

```java
driver.get("https://www.ebay.com/");

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

Actions act=new Actions(driver);


WebElement motors=driver.findElement(By.xpath("//*[@id=\"gh-cat\"]/option[17]"));

act.moveToElement(motors).perform();

Thread.sleep(3000);


WebElement sports=driver.findElement(By.xpath("//*[@id=\"s0-1-4-12-0-1-dialog\"]/div/div/div[1]/div[1]/div[3]/div/a[3]"));

act.moveToElement(sports).perform();

Thread.sleep(3000);


WebElement fashion=driver.findElement(By.xpath("/html/head/meta[11]"));

act.moveToElement(fashion).perform();

*/
```

```
        }


}
```

Assignment 2 – Select Class

Objective: Work with dropdowns and multi-select options.

Scenario:

Open the DemoQA site → https://demoqa.com/select-menu

Perform:

Select "Blue" from the old-style dropdown.

Select multiple options from the multi-select dropdown (e.g., "Green", "Yellow", "Black").

Verify and print the selected options.

Extra Challenge:

Select options using both selectByVisibleText and selectByIndex.

```
package selenium_package;
```

```java
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 DragAndDrop {


    public static void main(String[] args) throws InterruptedException {
        WebDriver driver=new ChromeDriver();

        driver.get("https://demoqa.com/droppable");

        Thread.sleep(2000);

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

        Actions act=new Actions(driver);

        WebElement source=driver.findElement(By.id("draggable"));

        WebElement target=driver.findElement(By.id("droppable"));

        act.dragAndDrop(source, target).perform();
    }
```

```
}
```

Assignment 3 – Alerts

Objective: Handle different types of alerts.

Scenario:

Open the DemoQA site → https://demoqa.com/alerts

Perform:

Click the button to see an alert, accept it.

Click the "On button click, confirm box will appear" button, dismiss the alert.

Click the "Prompt Box" button, enter your name, and accept it.

Capture and print the alert messages before accepting/dismissing.

Extra Challenge:

Wait dynamically for the alert that appears after 5 seconds, then accept it.

```java
package selenium_package;

import org.openqa.selenium.*;

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

```java
public class Alerts {

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

        WebDriver driver=new ChromeDriver();

        driver.get("https://demoqa.com/alerts");

        Thread.sleep(1000);

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


        WebElement samplealert=driver.findElement(By.id("alertButton"));

        samplealert.click();

        Thread.sleep(4000);

        Alert alert1=driver.switchTo().alert();

        alert1.accept();


        JavascriptExecutor js=(JavascriptExecutor)driver;

        js.executeScript("window.scrollBy(0,900)");
```

```java
        WebElement timealert=driver.findElement(By.id("timeButton"));

        timealert.click();

        Thread.sleep(6000);

        Alert alert2=driver.switchTo().alert();

        alert2.accept();


        Thread.sleep(2000);

        WebElement confrimalert=driver.findElement(By.id("confrimButton"));

        confrimalert.click();

        Thread.sleep(2000);

        Alert alert3=driver.switchTo().alert();

        alert3.dismiss();


        js.executeScript("window.scrollBy(0,400)");

        Thread.sleep(3000);

        WebElement promptalert=driver.findElement(By.id("promptButton"));
```

```java
        promptalert.click();

        Thread.sleep(2000);

        Alert alert4=driver.switchTo().alert();

        alert4.sendKeys("harry");

        alert4.accept();



    }


}
```