**Working with External Elements.**

**ExternalElementsHandlingDemo.java**

**package** com.ecommerce.test;

**import** java.util.Set;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

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

**public** **class** ExternalElementsHandlingDemo {

**public** **static** **void** main(String[] args) {

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

driver.get("https://www.flipkart.com/");

// Handling External Pop-ups

*handleExternalPopUps*(driver);

// Handling New Tabs and Windows

*handleNewTabsAndWindows*(driver);

driver.quit();

}

**static** **void** handleExternalPopUps(WebDriver driver) {

// Click on the trigger element to open the pop-up

driver.findElement(By.*id*("triggerElement")).click();

// Get a set of window handles

Set<String> windowHandles = driver.getWindowHandles();

// Store the handle of the main window

String mainWindowHandle = driver.getWindowHandle();

// Iterate through the window handles

**for** (String handle : windowHandles) {

// Switch to the pop-up window

driver.switchTo().window(handle);

// Perform actions on the elements within the pop-up

driver.findElement(By.*id*("popUpElement")).sendKeys("Text");

// Switch back to the main window

driver.switchTo().window(mainWindowHandle);

}

}

**static** **void** handleNewTabsAndWindows(WebDriver driver) {

// Click on the trigger element to open the new tab or window

driver.findElement(By.*id*("triggerElement")).click();

// Get a set of window handles

Set<String> windowHandles = driver.getWindowHandles();

// Store the handle of the main window

String mainWindowHandle = driver.getWindowHandle();

// Iterate through the window handles

**for** (String handle : windowHandles) {

// Switch to the new tab or window

driver.switchTo().window(handle);

// Perform actions on the elements within the new tab or window

driver.findElement(By.*id*("newTabElement")).sendKeys("Text");

// Close the new tab or window if needed

driver.close();

// Switch back to the main window

driver.switchTo().window(mainWindowHandle);

}

}

}