**Hands-On: Window Handling:**

package WindowHandles;

import java.util.Iterator;

import java.util.Set;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;

public class WindowHandleHandsOn {

@BeforeMethod

public void Browser() {

System.setProperty("webdriver.chrome.driver", "C:\\Users\\keerthiraja.sp\\Downloads\\SeleniumJarFiles\\chromedriver-win64\\chromedriver.exe");

}

@Test

public void FindTheNumberOfOpenedTabs() {

WebDriver driver = new ChromeDriver();

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

driver.get("https://leafground.com/window.xhtml");

driver.getWindowHandle();

//Find the number of opened tabs

driver.findElement(By.id("j\_idt88:j\_idt91")).click();

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

Iterator<String>I1=s.iterator();

while(I1.hasNext()) {

String ChildWindow=I1.next();

driver.switchTo().window(ChildWindow);

System.out.println(driver.getTitle());

}

System.out.println("the number of opened tabs : "+s.size());

driver.quit();

}

@Test

public void CloseAllWindowsExceptPrimary() {

WebDriver driver = new ChromeDriver();

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

driver.get("https://leafground.com/window.xhtml");

//Close all windows except Primary

driver.findElement(By.id("j\_idt88:j\_idt93")).click();

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

Iterator<String>Iterator=Primery.iterator();

while(Iterator.hasNext()) {

String Child=Iterator.next();

driver.switchTo().window(Child);

System.out.println(driver.getTitle());

}

driver.quit();

}

@Test

public void WaitFor2NewTabsToOpen () {

WebDriver driver = new ChromeDriver();

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

driver.get("https://leafground.com/window.xhtml");

//Wait for 2 new tabs to open

driver.findElement(By.id("j\_idt88:j\_idt95")).click();

driver.manage().timeouts().implicitlyWait(12, TimeUnit.SECONDS);

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

Iterator<String>Iterator1=Tabopen.iterator();

while (Iterator1.hasNext()) {

String childWindow=Iterator1.next();

String t=driver.switchTo().window(childWindow).getTitle();

System.out.println(t);

}

driver.quit();

}

}

**Output:**

