**Windows and Frames.**

**1) Write a selenium script to automate the following script.**

1. **Open the instance of a chrome browser**
2. **Navigate to the given website.**
3. **Switch to the iframe using the iframe using css selector or xpath.**
4. **Locate the “p” tag inside the iframe and write the text “Hello People”.**
5. **Close the browser instance.**

**package** windowsandframes;

**import** java.io.File;

**import** java.time.Duration;

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

**import** org.openqa.selenium.TakesScreenshot;

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

**import** org.openqa.selenium.WebElement;

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

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** Windowsandframes {

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

// **TODO** Auto-generated method stub

WebDriverManager.*chromedriver*().setup();

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(10));

driver.get("https://the-internet.herokuapp.com/iframe");

WebElement iframeelement=driver.findElement(By.*xpath*("//iframe[@class='tox-edit-area\_\_iframe']"));

driver.switchTo().frame(iframeelement);

WebElement content=driver.findElement(By.*xpath*("//p[text()='Your content goes here.']"));

content.clear();

content.sendKeys("Hello People.");

driver.close();

}

}

1. **Write a selenium script to automate the following script.**
2. **Open the instance of a chrome browser**
3. **Navigate to the given website (**<https://the-internet.herokuapp.com/windows>)
4. Click the click here button to open the new window
5. Switch to the newly opened window.
6. Verify that the text “new window” is present on the page.
7. Close the new window.
8. Verify that the original window is active.
9. Close the browser instance.

**package** windowsandframes;

**import** **static** org.testng.Assert.*assertEquals*;

**import** java.io.File;

**import** java.time.Duration;

**import** java.util.Iterator;

**import** java.util.Set;

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

**import** org.openqa.selenium.TakesScreenshot;

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

**import** org.openqa.selenium.WebElement;

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

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** Windowsandframes {

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

// **TODO** Auto-generated method stub

WebDriverManager.*chromedriver*().setup();

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(10));

driver.get("https://the-internet.herokuapp.com/windows");

WebElement clickhere=driver.findElement(By.*xpath*("//a[text()='Click Here']"));

clickhere.click();

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

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

String parentID=iterator.next();

String childId=iterator.next();

driver.switchTo().window(childId);

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

driver.close();

driver.switchTo().window(parentID);

String activewindow=driver.getTitle();

**if**(activewindow.equalsIgnoreCase("The Internet"))

{

System.***out***.println("The original window is active");

}

**else**

{

System.***out***.println("The original window is not active");

}

driver.close();

}

}

Output:

New Window

The original window is active

1. Write a selenium code to automate the following scenario.

1.open the url <https://the-internet.herokuapp.com/nested_frames>.

2. switch to each frame and verify their text.

**package** windowsandframes;

**import** **static** org.testng.Assert.*assertEquals*;

**import** java.io.File;

**import** java.time.Duration;

**import** java.util.Iterator;

**import** java.util.List;

**import** java.util.Set;

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

**import** org.openqa.selenium.TakesScreenshot;

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

**import** org.openqa.selenium.WebElement;

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

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** Windowsandframes {

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

// **TODO** Auto-generated method stub

WebDriverManager.*chromedriver*().setup();

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

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(10));

driver.get("https://the-internet.herokuapp.com/nested\_frames");

WebElement topframeelement=driver.findElement(By.*xpath*("//frame[@name='frame-top']"));

driver.switchTo().frame(topframeelement);

WebElement middleframeelement=driver.findElement(By.*xpath*("//frame[@name='frame-middle']"));

driver.switchTo().frame(middleframeelement);

System.***out***.println(driver.findElement(By.*tagName*("body")).getText());

driver.switchTo().parentFrame();

WebElement leftframe=driver.findElement(By.*xpath*("//frame[@name='frame-left']"));

driver.switchTo().frame(leftframe);

System.***out***.println(driver.findElement(By.*tagName*("body")).getText());

driver.switchTo().parentFrame();

WebElement rightframe=driver.findElement(By.*xpath*("//frame[@name='frame-right']"));

driver.switchTo().frame(rightframe);

System.***out***.println(driver.findElement(By.*tagName*("body")).getText());

driver.switchTo().defaultContent();

WebElement bottomframeelement=driver.findElement(By.*xpath*("//frame[@name='frame-bottom']"));

driver.switchTo().frame(bottomframeelement);

System.***out***.println(driver.findElement(By.*tagName*("body")).getText());

driver.switchTo().defaultContent();

driver.close();

}

}

Output:

MIDDLE

LEFT

RIGHT

BOTTOM