TASK11

Q1.

package taskproject;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class HandleWindows {

public static void main(String[] args) {

handleWindows();

}

public static void handleWindows() {

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();

try {

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

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

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

clickHereLink.click();

waitFor(2000);

String originalWindow = driver.getWindowHandle();

for (String windowHandle : driver.getWindowHandles()) {

if (!windowHandle.equals(originalWindow)) {

driver.switchTo().window(windowHandle);

break;

}

}

WebElement newWindowText = driver.findElement(By.xpath("//h3[text()='New Window']"));

System.out.println("Text in new window: " + newWindowText.getText());

driver.close();

driver.switchTo().window(originalWindow);

System.out.println("Back to original window.");

} catch (Exception e) {

e.printStackTrace();

} finally {

driver.quit();

}

}

public static void waitFor(int timeInMillis) {

try {

Thread.sleep(timeInMillis);

} catch (InterruptedException e) {

e.printStackTrace();

}

}

}

Q2.

**package** taskproject;

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

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

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

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

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

**public** **class** Handleframe {

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

*handleNestedFrames*();

}

**public** **static** **void** handleNestedFrames() {

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

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

**try** {

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

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

driver.switchTo().frame("frame-top");

System.***out***.println("Verifying that there are 3 frames within the top frame...");

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

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

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

**if** (leftFrame.isDisplayed() && rightFrame.isDisplayed() && bottomFrame.isDisplayed()) {

System.***out***.println("There are 3 frames within the top frame.");

} **else** {

System.***out***.println("Frames are missing.");

}

driver.switchTo().frame("frame-left");

WebElement leftText = driver.findElement(By.*xpath*("//body[text()='LEFT']"));

System.***out***.println("Text in the left frame: " + leftText.getText());

driver.switchTo().parentFrame();

driver.switchTo().frame("frame-middle");

WebElement middleText = driver.findElement(By.*xpath*("//body[text()='MIDDLE']"));

System.***out***.println("Text in the middle frame: " + middleText.getText());

driver.switchTo().parentFrame();

driver.switchTo().frame("frame-right");

WebElement rightText = driver.findElement(By.*xpath*("//body[text()='RIGHT']"));

System.***out***.println("Text in the right frame: " + rightText.getText());

driver.switchTo().parentFrame();

driver.switchTo().frame("frame-bottom");

WebElement bottomText = driver.findElement(By.*xpath*("//body[text()='BOTTOM']"));

System.***out***.println("Text in the bottom frame: " + bottomText.getText());

driver.switchTo().parentFrame();

} **catch** (Exception e) {

e.printStackTrace();

} **finally** {

driver.quit();

}

}

}