Login

package pack1;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class verifyLogin {

public static void main(String[] args) {

WebDriver driver = new FirefoxDriver();

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

driver.findElement(By.id("email")).sendKeys("palekya987@gmail.com");

driver.findElement(By.id("pass")).sendKeys("Password");

driver.findElement(By.id("u\_0\_n")).click();

}

}

Xpath functions

package pack1;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Xpaths {

public static void main(String[] args) {

WebDriver driver = new FirefoxDriver();

driver.get("http://automationpractice.com/index.php?controller=authentication&back=order-slip");

//absolute xpath. creates problem when physical location of the element changes

driver.findElement(By.xpath(".//\*[@id='header']/div[3]/div/div/div[3]/div/a/b")).click();

// navigating back

driver.navigate().back();

//using relative path. short and accurate even if the physical place changes

driver.findElement(By.xpath("//a[contains(@title,'View my shopping cart')]")).click();

driver.close();

}

}

Using Locators

package pack1;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

public class UsingLocators {

public static void main(String[] args) {

WebDriver driver = new FirefoxDriver();

driver.get("http://automationpractice.com/index.php");

//byId

driver.findElement(By.id("search\_query\_top")).sendKeys("dress");

//byName

driver.findElement(By.name("search\_query")).sendKeys("dress");

// by css selectors

driver.findElement(By.cssSelector(".search\_query.form-control.ac\_input")).sendKeys("dress");

// by class name

driver.findElement(By.className("sf-with-ul")).click();

//by tag name finding number of div inside class "columns-container"

WebElement divisions = driver.findElement(By.className("columns-container"));

List divlist = divisions.findElements(By.tagName("div"));

System.out.println("number of divisions inside class: columns-container are "+divlist.size());

//by link text

driver.findElement(By.linkText("Our stores")).click();

//by partial link text

driver.findElement(By.partialLinkText("slip")).click();

//by xpath

driver.findElement(By.xpath(".//\*[@id='email\_create']")).sendKeys("palekya987@gmail.com");

}

}

ExplicitWait

package pack1;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;

public class explicitwait {

public static void main(String[] args) {

WebDriver driver = new FirefoxDriver();

driver.get("http://automationpractice.com/index.php");

driver.findElement(By.id("search\_query\_top")).sendKeys("dress");

WebDriverWait wait = new WebDriverWait(driver, 10);

wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("search\_query\_top")));

//waits 10 seconds until the icon is visible

driver.findElement(By.id("search\_query\_top")).click();

driver.close();

}

}

ImplicitWait

package pack1;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class Implicitwait {

public static void main(String[] args) {

WebDriver driver = new FirefoxDriver();

//implicit wait. the Document object module will wait for certain amount of time when trying to find an element

//this implict will be set for the life of the webdriver.

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

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

}

}

SaveScreenshots

package pack1;

import java.io.File;

import org.apache.commons.io.FileUtils;

import org.openqa.selenium.OutputType;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.TakesScreenshot;

public class Screenshort {

public static void main(String[] args)

{

WebDriver driver = new FirefoxDriver();

driver.get("http://automationpractice.com/index.php");

//taking screen shot using TakesScreenshot interface

//import org.openqa.selenium.TakesScreenshot;

File screenshot= ((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

// saving the screenshot

File path = new File("C:\\selenium\\screenshot.jpg");

try

{

FileUtils.copyFile(screenshot, path);

}

catch(Exception e)

{

System.out.println("File did not save: "+e.getMessage());

}

driver.close();

}

}

DesireCapabilityMethods

package pack1;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.ie.InternetExplorerDriver;

import org.openqa.selenium.remote.DesiredCapabilities;

public class DesireCapabilityMethods {

public static void main(String[] args) {

// download IEdriver server from http://www.seleniumhq.org/download/

// for chrome desiredcapabilities.chorme();

DesiredCapabilities desirecapabilities = DesiredCapabilities.internetExplorer();

//setting the browser name

desirecapabilities.setBrowserName("IE");

desirecapabilities.getBrowserName();

String version =desirecapabilities.getVersion();

System.out.println("version of the IE using: "+version);

//setting version

//desirecapabilities.setVersion(<version name goes here");

System.setProperty("webdriver.ie.driver","C:\\selenium\\IEDriverServer.exe");

WebDriver driver = new InternetExplorerDriver(desirecapabilities);

driver.get("http://automationpractice.com/index.php");

driver.close();

}

}

ChromeDriver

package pack1;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class UsingChromeDriver {

//install chrome driver from http://www.seleniumhq.org/download/

public static void main(String[] args) {

//change the path below

System.setProperty("webdriver.chrome.driver", "C:\\selenium\\chromedriver.exe");

//doesn't work with new chrome version 55.0.2883.87

WebDriver driver = new ChromeDriver();

driver.get("http://automationpractice.com/index.php");

}

}