package productComparison;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

import java.util.Set;

import java.util.concurrent.TimeUnit;

import org.junit.Assert;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import static org.junit.Assert.assertEquals;

import java.awt.AWTException;

import java.awt.Robot;

import java.awt.event.KeyEvent;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

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

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

public class FlipkartAutomation {

@SuppressWarnings("deprecation")

public static void main(String[] args) throws InterruptedException, AWTException {

// TODO Auto-generated method stub

System.setProperty("webdriver.chrome.driver",

"C:\\Users\\welome\\Downloads\\chromedriver\_win32\\chromedriver.exe");

WebDriver driver=new ChromeDriver();

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

driver.manage().deleteAllCookies();

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

Robot robot=new Robot();

robot.keyPress(KeyEvent.VK\_ESCAPE);

robot.keyRelease(KeyEvent.VK\_ESCAPE);

driver.findElement(By.xpath("//input[contains(@class,'3704LK')]")).sendKeys("redmi note 8 (Neptune Blue, 32 GB) (3 GB RAM)");

driver.manage().timeouts().implicitlyWait(4,TimeUnit.SECONDS);

Thread.sleep(2000);

driver.findElement(By.xpath("//button[contains(@class,'L0Z3Pu')]")).click();

Thread.sleep(2000);

String s1 = driver.findElement(By.xpath("//div[contains(@class,'\_30jeq3 \_1\_WHN1')]")).getText();

System.out.println("Price of the product from flipkart is:"+s1);

Thread.sleep(2000);

driver.close();

Thread.sleep(2000);

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

driver.manage().deleteAllCookies();

driver.get("https://amazon.in/");

driver.findElement(By.id("nav-search-bar-form").sendKeys("redmi note 8 (Neptune Blue, 32 GB) (3 GB RAM)");

driver.manage().timeouts().implicitlyWait(4,TimeUnit.SECONDS);

Thread.sleep(2000);

driver.findElement(By.xpath("//input[contains(@id,'nav-search-submit-button')]")).click();

Thread.sleep(3000);

String s2 = driver.findElement(By.xpath("//span[contains(@class,'a-price-whole')]")).getText();

System.out.println("price of the product from amazon is:"+s1);

int i1 = Integer.parseInt(s1);

int i2 = Integer.parseInt(s2);

if(i1 < i2){

System.out.println("cheapest price is flipkart:"+i1);

}

else{

System.out.println("Cheapest price is amazon:"+i2);

}

driver.quit();

}