**SOFTWARE TESTING USING SELINIUM**

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**EX1:**

package pack1;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class qn1 {

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

{

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();

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

driver.navigate().to("https://www.saucedemo.com/");

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

Thread.sleep(1000);

driver.findElement(By.xpath("//\*[@id=\"user-name\"]")).sendKeys("standard\_user");

driver.findElement(By.xpath("//\*[@id=\"password\"]")).sendKeys("secret\_sauce");

driver.findElement(By.xpath("//\*[@id=\"login-button\"]")).click();

driver.findElement(By.xpath("//\*[@id=\"add-to-cart-sauce-labs-backpack\"]")).click();

String cart = driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[1]/div[3]/a/span")).getText();

if (cart.equals("1")) {

System.out.println("Added to cart");

}

Thread.sleep(2000);

driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[1]/div[3]/a")).click();

String product = "Sauce Labs Backpack";

if(driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/a/div")).getText().equals(product));

{

System.out.println("Contents in the cart is displayed");

}

Thread.sleep(2000);

driver.findElement(By.xpath("//\*[@id=\"checkout\"]")).click();

if(driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/span")).getText().equals("Checkout: Your Information")) {

System.out.println("Form is displayed");

}

Thread.sleep(2000);

driver.findElement(By.xpath("//\*[@id=\"first-name\"]")).sendKeys("Dhakshinya");

driver.findElement(By.xpath("//\*[@id=\"last-name\"]")).sendKeys("C A");

driver.findElement(By.xpath("//\*[@id=\"postal-code\"]")).sendKeys("638001");

driver.findElement(By.xpath("//\*[@id=\"continue\"]")).click();

if(driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/span")).getText().equals("Checkout: Overview")) {

System.out.println("Product overview is displayed");

}

Thread.sleep(2000);

System.out.println("Name : " + driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/a/div")).getText());

System.out.println("Price: " + driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/div[2]/div")).getText());

if(driver.getTitle().equals("Swag Labs")) {

System.out.println("Title validated");

}

if(driver.getCurrentUrl().equals("https://www.saucedemo.com/checkout-step-two.html")) {

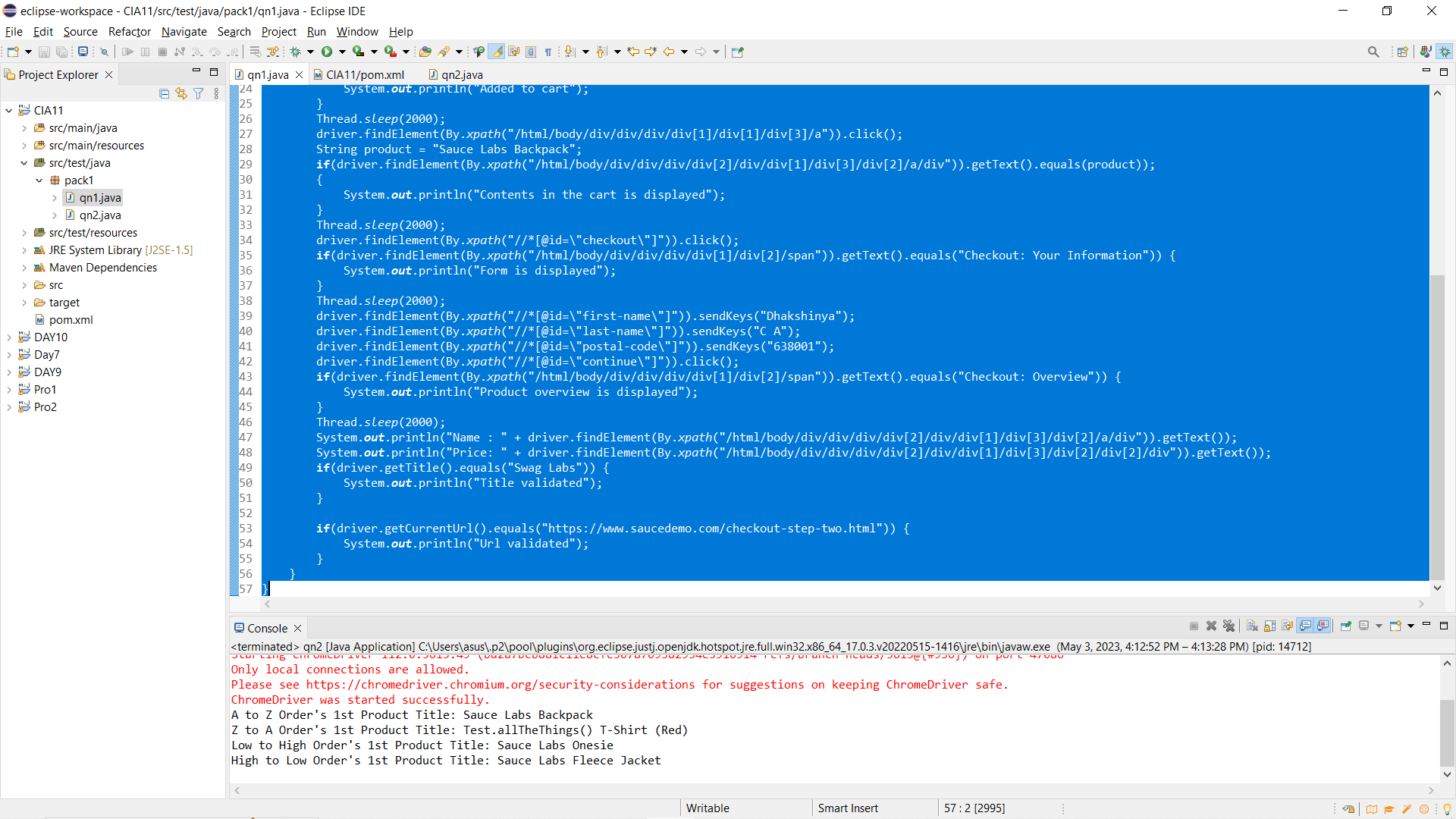
System.out.println("Url validated");

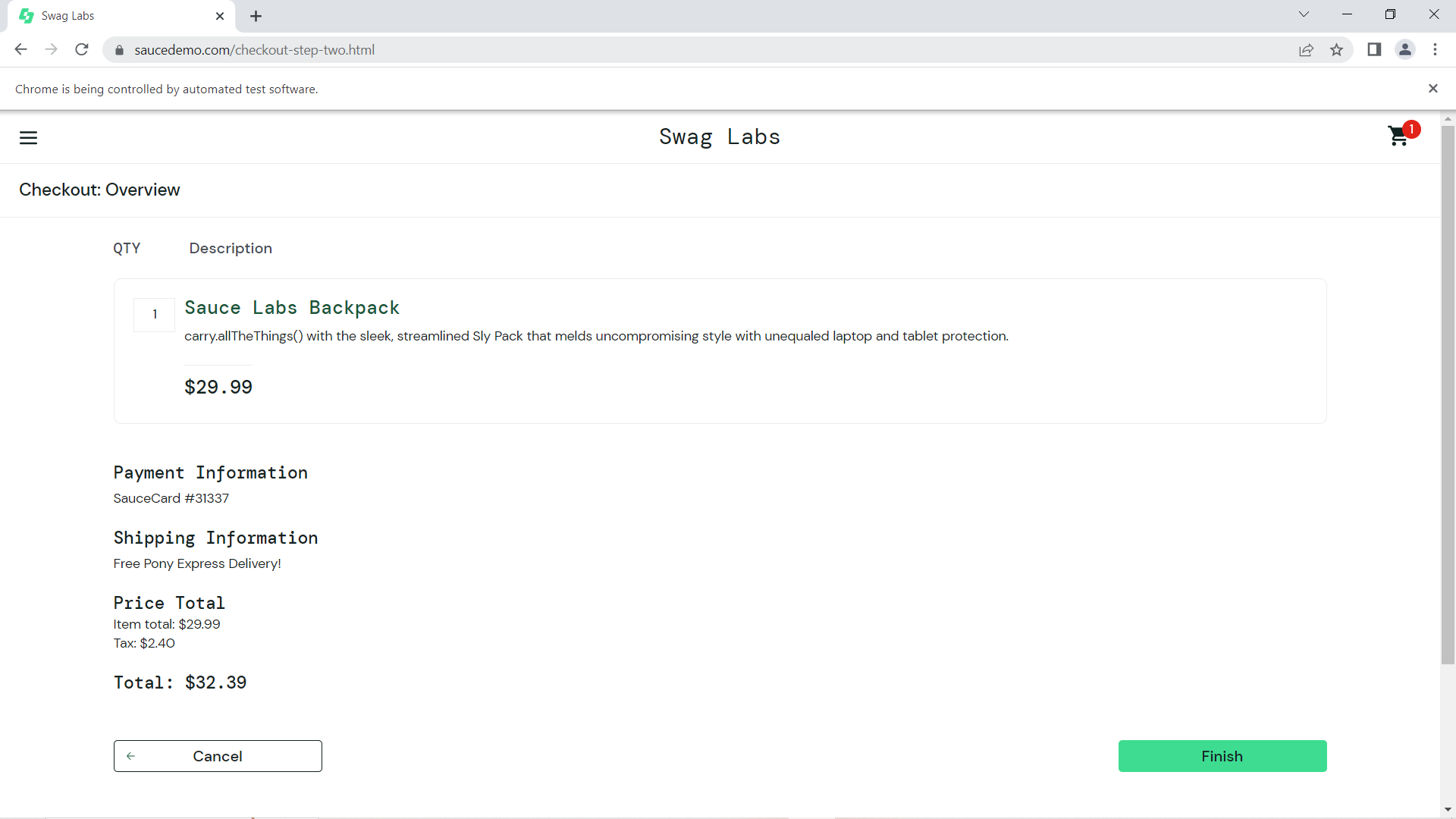
}

}

}

**OUTPUT:**

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**EX2:**

**package** pack1;

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

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

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

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

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

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

**public** **class** qn2 {

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

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

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

ChromeOptions co=**new** ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

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

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

Thread.*sleep*(2000);

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

WebElement name=driver.findElement(By.*xpath*("//\*[@id=\"user-name\"]"));

name.sendKeys("standard\_user");

Thread.*sleep*(2000);

WebElement pwd=driver.findElement(By.*xpath*("//\*[@id=\"password\"]"));

pwd.sendKeys("secret\_sauce");

Thread.*sleep*(2000);

WebElement btn=driver.findElement(By.*xpath*("//\*[@id=\"login-button\"]"));

btn.click();

Thread.*sleep*(2000);

WebElement c1=driver.findElement(By.*xpath*("//\*[@id=\"header\_container\"]/div[2]/div/span/select"));

c1.click();

Thread.*sleep*(2000);

WebElement c2=driver.findElement(By.*xpath*("//\*[@id=\"header\_container\"]/div[2]/div/span/select/option[1]"));

c2.click();

Thread.*sleep*(2000);

String e1=driver.findElement(By.*xpath*("//\*[@id=\"item\_4\_title\_link\"]/div")).getText();

System.***out***.println("A to Z:"+e1);

WebElement c3=driver.findElement(By.*xpath*("//\*[@id=\"header\_container\"]/div[2]/div/span/select/option[2]"));

c3.click();

Thread.*sleep*(2000);

String e2=driver.findElement(By.*xpath*("//\*[@id=\"item\_3\_title\_link\"]/div")).getText();

System.***out***.println("Z to A:"+e2);

Thread.*sleep*(1000);

WebElement c4=driver.findElement(By.*xpath*("//\*[@id=\"header\_container\"]/div[2]/div/span/select/option[3]"));

c4.click();

Thread.*sleep*(2000);

String e3=driver.findElement(By.*xpath*("//\*[@id=\"item\_2\_title\_link\"]/div")).getText();

System.***out***.println("Low to High: "+e3);

WebElement c5=driver.findElement(By.*xpath*("//\*[@id=\"header\_container\"]/div[2]/div/span/select/option[4]"));

c5.click();

Thread.*sleep*(2000);

String e4=driver.findElement(By.*xpath*("//\*[@id=\"item\_5\_title\_link\"]/div")).getText();

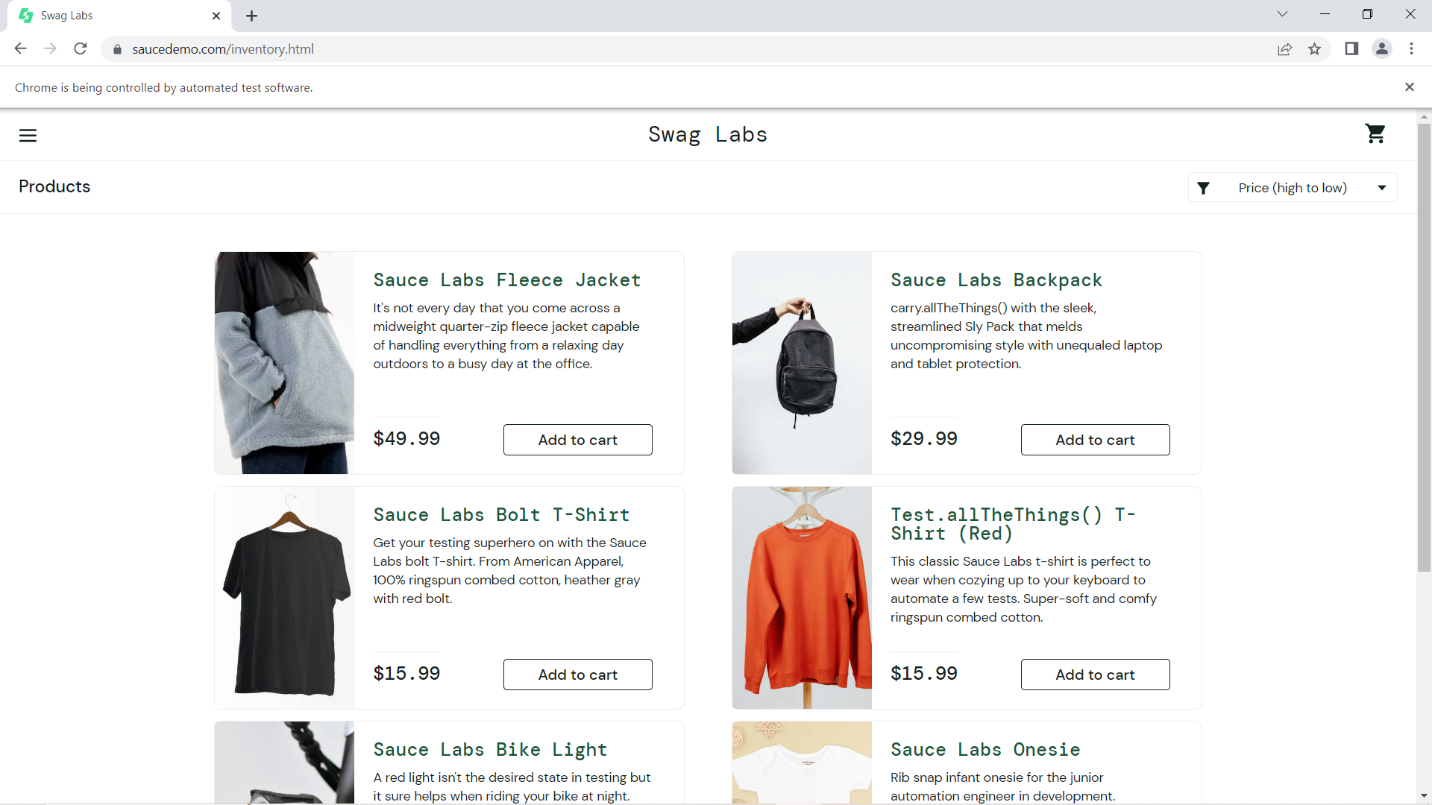
System.***out***.println("High to Low: "+e4);

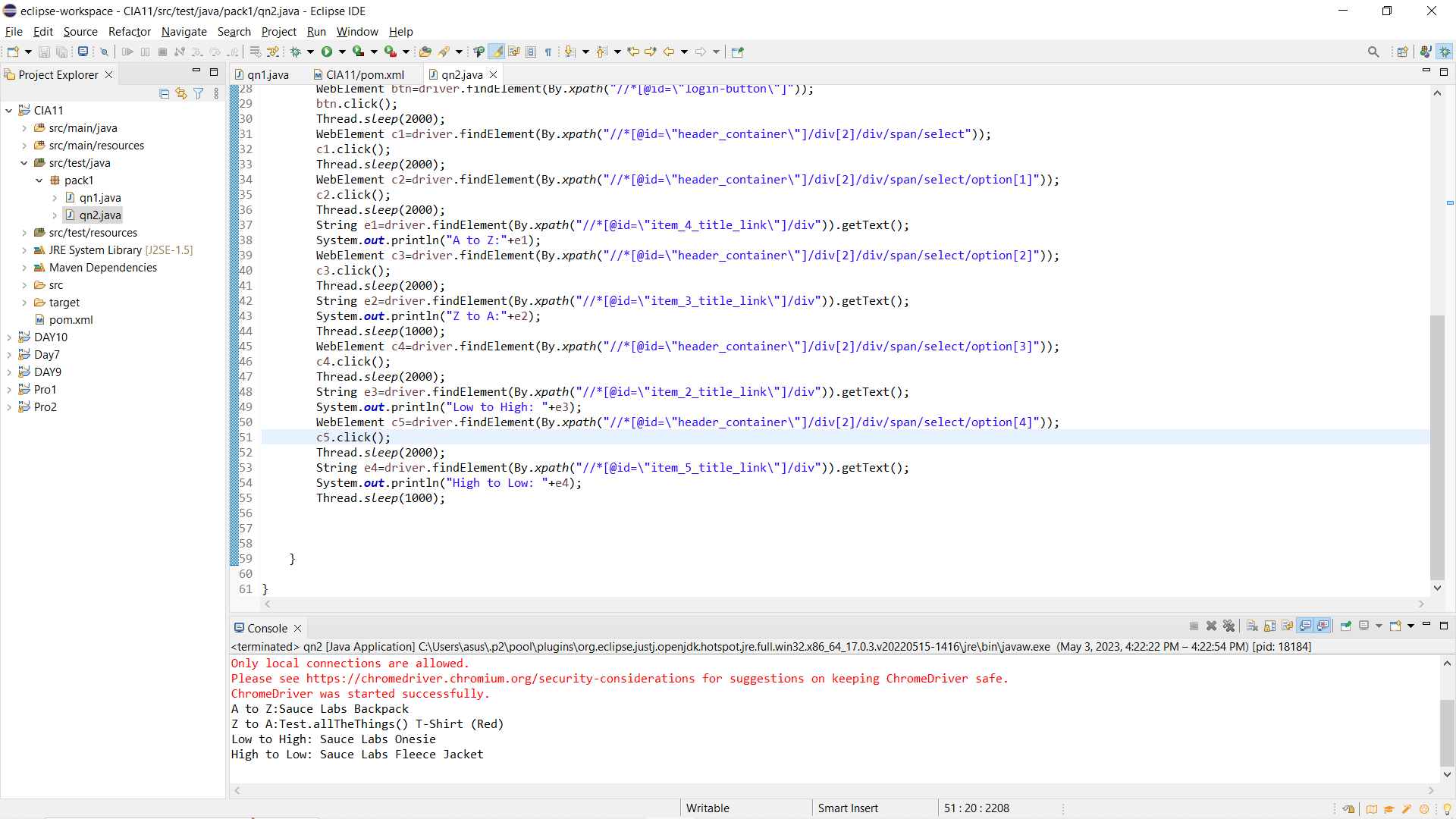
Thread.*sleep*(1000);

}

}

**OUTPUT:**

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