

1)

Code:

```
package com.pro.demo.testing;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;
public class test1 {
    public static void main(String[] args) throws Exception {
        // Driver setup
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);

//        //open an url
        driver.get("https://www.saucedemo.com/");
        driver.manage().window().maximize();

//
//        // login
        driver.findElement(By.name("user-name")).sendKeys("standard_user");
        driver.findElement(By.name("password")).sendKeys("secret_sauce");
        driver.findElement(By.name("login-button")).sendKeys(Keys.ENTER);
        System.out.println("User logged in");
        Thread.sleep(5000);

        //add to cart

        driver.findElement(By.name("add-to-cart-sauce-labs-backpack")).sendKeys(Keys.ENTER);
        System.out.println(" product Added to the cart");
        driver.findElement(By.className("shopping_cart_link")).click();
        System.out.println("contents viewed");
        driver.findElement(By.name("checkout")).sendKeys(Keys.ENTER);
        System.out.println("“Your information” form displayed");

        //your information
        driver.findElement(By.name("firstName")).sendKeys("pro");
        driver.findElement(By.name("lastName")).sendKeys("win");
        driver.findElement(By.name("postalCode")).sendKeys("333");
```

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```
driver.findElement(By.name("continue")).sendKeys(Keys.ENTER);
System.out.println(" product overview displayed");
```

```
//name && price
```

```
String name =
```

```
driver.findElement(By.className("inventory_item_name")).getText();
```

```
String cost = driver.findElement(By.className("inventory_item_price")).getText();
```

```
System.out.println(name + "\n" + cost);
```

```
//asserts
```

```
Thread.sleep(3000);
```

```
String u1=driver.getCurrentUrl();
```

```
System.out.println(u1);
```

```
String u2="https://www.saucedemo.com/checkout-step-two.html";
```

```
Assert.assertEquals(u1, u2);
```

```
Thread.sleep(3000);
```

```
String u3=driver.getTitle();
```

```
System.out.println(u3);
```

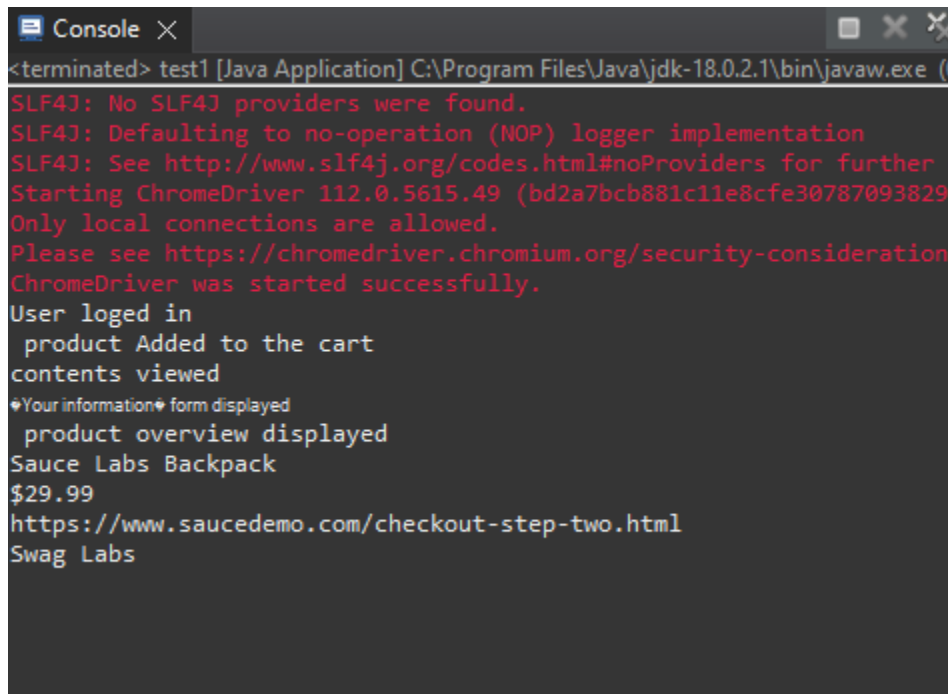
```
String u4="Swag Labs";
```

```
Assert.assertEquals(u3, u4);
```

```
}
```

```
}
```

Output:

A screenshot of a Java IDE console window. The title bar shows 'Console' with standard window controls. The text in the console is as follows:

```
<terminated> test1 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#noProviders for further
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe30787093829
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-consideration
ChromeDriver was started successfully.
User logged in
 product Added to the cart
contents viewed
Your information form displayed
 product overview displayed
Sauce Labs Backpack
$29.99
https://www.saucedemo.com/checkout-step-two.html
Swag Labs
```

2)

Code:

```
package com.pro.demo.testing;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;
public class test1 {
    public static void main(String[] args) throws Exception {
        // Driver setup
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);

        driver.get("https://www.saucedemo.com/");
        driver.manage().window().maximize();
        Thread.sleep(3000);
        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();
        Thread.sleep(3000);

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).isEnabled();
        System.out.println("A-Z:" +
        driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div")).getText());

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).click();

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[2]")).click();
        System.out.println("Z-A:" +
        driver.findElement(By.xpath("//*[@id=\"item_3_title_link\"]/div")).getText());

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).click();

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[3]")).isEnabled();

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[3]")).click();
        System.out.println("Z-A:" +
        driver.findElement(By.xpath("//*[@id=\"inventory_container\"]/div/div[1]/div[2]/div[2]/div")).getText());

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[4]")).isEnabled();

        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[4]")).click();
```

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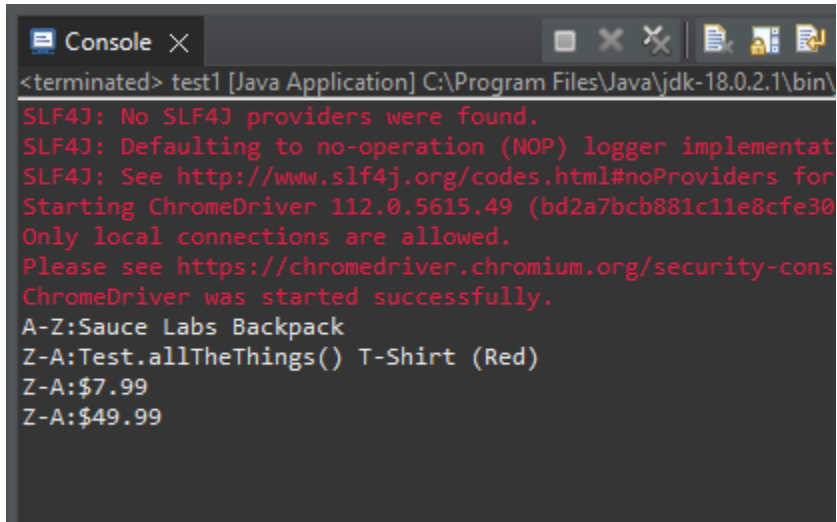
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```
        System.out.println("Z-A:" +  
driver.findElement(By.xpath("//*[@id=\"inventory_container\"]/div/div[1]/div[2]/div[2]/div")).getText());  
    }  
}
```

Output:

A screenshot of a Java console window titled "Console". The window shows the output of a test run. The first line is "<terminated> test1 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\". This is followed by several lines of red text: "SLF4J: No SLF4J providers were found.", "SLF4J: Defaulting to no-operation (NOP) logger implementat", "SLF4J: See http://www.slf4j.org/codes.html#noProviders for", "Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe30", "Only local connections are allowed.", "Please see https://chromedriver.chromium.org/security-cons", and "ChromeDriver was started successfully.". The output then shows the test results: "A-Z:Sauce Labs Backpack", "Z-A:Test.allTheThings() T-Shirt (Red)", "Z-A:\$7.99", and "Z-A:\$49.99".

```
<terminated> test1 [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\  
SLF4J: No SLF4J providers were found.  
SLF4J: Defaulting to no-operation (NOP) logger implementat  
SLF4J: See http://www.slf4j.org/codes.html#noProviders for  
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe30  
Only local connections are allowed.  
Please see https://chromedriver.chromium.org/security-cons  
ChromeDriver was started successfully.  
A-Z:Sauce Labs Backpack  
Z-A:Test.allTheThings() T-Shirt (Red)  
Z-A:$7.99  
Z-A:$49.99
```