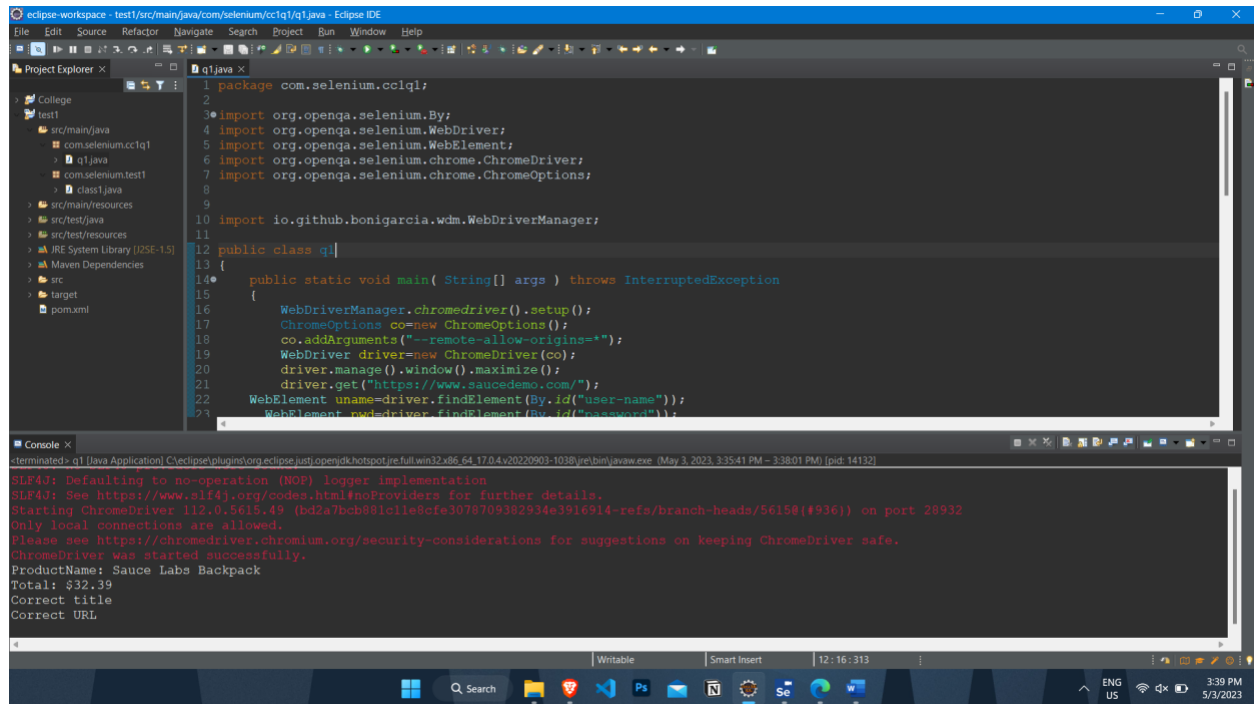


CC-1

QUESTION-1:



The screenshot shows the Eclipse IDE with a project named 'test1'. The 'Project Explorer' on the left shows the project structure. The 'q1.java' file is open in the editor, showing the following code:

```
1 package com.selenium.cc1q1;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.chrome.ChromeDriver;
7 import org.openqa.selenium.chrome.ChromeOptions;
8
9
10 import io.github.bonigarcia.wdm.WebDriverManager;
11
12 public class q1 {
13 {
14     public static void main( String[] args ) throws InterruptedException
15     {
16         WebDriverManager.chromedriver().setup();
17         ChromeOptions co=new ChromeOptions();
18         co.addArguments("--remote-allow-origins=*");
19         WebDriver driver=new ChromeDriver(co);
20         driver.manage().window().maximize();
21         driver.get("https://www.saucedemo.com/");
22         WebElement uname=driver.findElement(By.id("user-name"));
23         WebElement pwd=driver.findElement(By.id("password"));
```

The console output at the bottom shows the execution of the program:

```
<terminated> q1 [Java Application] C:\eclipse\plugins\org.eclipse.jdt.launcher\org.eclipse.jdt.launcher.exe (May 3, 2023, 3:35:41 PM - 3:38:01 PM) [pid: 14132]
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/56150{#936}) on port 29932
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
ProductName: Sauce Labs Backpack
Total: $32.39
Correct title
Correct URL
```

```
package com.selenium.cc1q1;

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 q1
{
    public static void main( String[] args ) throws InterruptedException
    {
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.manage().window().maximize();
        driver.get("https://www.saucedemo.com/");
        WebElement uname=driver.findElement(By.id("user-name"));
        WebElement pwd=driver.findElement(By.id("password"));
```

```
        WebElement submit= driver.findElement(By.xpath("//*[@id=\"login-  
button\"]"));  
        uname.sendKeys("standard_user");  
        pwd.sendKeys("secret_sauce");  
        submit.click();  
        //driver.get("https://www.saucedemo.com/inventory.html");  
        WebElement add= driver.findElement(By.xpath("//*[@id=\"add-to-cart-sauce-  
labs-backpack\"]"));  
        add.click();  
        WebElement cart= driver.findElement(By.className("shopping_cart_link"));  
        cart.click();  
        WebElement check= driver.findElement(By.xpath("//*[@id=\"checkout\"]"));  
        check.click();  
        WebElement fname=driver.findElement(By.id("first-name"));  
        WebElement lname=driver.findElement(By.id("last-name"));  
        WebElement postalcode=driver.findElement(By.id("postal-code"));  
        WebElement cont= driver.findElement(By.xpath("//*[@id=\"continue\"]"));  
        fname.sendKeys("Janani");  
        lname.sendKeys("K S");  
        postalcode.sendKeys("123456");  
        cont.click();  
  
        WebElement prints=driver.findElement(By.className("inventory_item_name"));  
        System.out.println("ProductName: "+prints.getText());  
  
        WebElement  
print1=driver.findElement(By.xpath("//*[@id=\"checkout_summary_container\"]/div/div[2  
]/div[8]"));  
        System.out.println(print1.getText());  
  
        String t1="Swag Labs";  
        String t2="";  
        t2=driver.getTitle();  
        if(t1.equals(t2))  
            System.out.println("Correct title");  
  
        String url1="https://www.saucedemo.com/checkout-step-two.html";  
        String url2="";  
        url2=driver.getCurrentUrl();  
        if(url1.equals(url2))  
            System.out.println("Correct URL");  
  
    }  
}
```

QUESTION-2:

TASK-1:

```
package com.selenium.cc1q2;

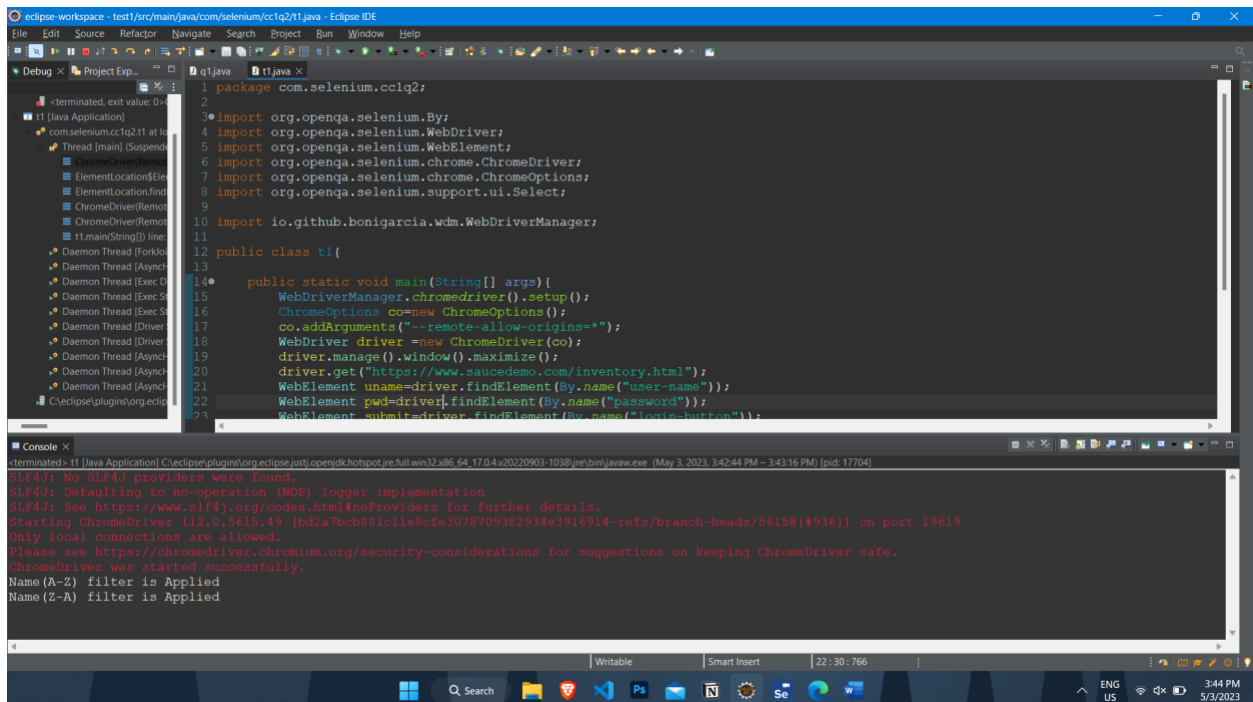
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

public class t1{

    public static void main(String[] args){
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver =new ChromeDriver(co);
        driver.manage().window().maximize();
        driver.get("https://www.saucedemo.com/inventory.html");
        WebElement uname=driver.findElement(By.name("user-name"));
        WebElement pwd=driver.findElement(By.name("password"));
        WebElement submit=driver.findElement(By.name("login-button"));
```

```
        unname.sendKeys("standard_user");  
        pwd.sendKeys("secret_sauce");  
        submit.click();  
  
        WebElement  
sort1=driver.findElement(By.className("product_sort_container"));  
  
        sort1.click();  
  
        Select select=new Select(sort1);  
  
        select.selectByIndex(0);  
  
        System.out.println("Name(A-Z) filter is Applied");  
  
        select.selectByIndex(1);  
  
        System.out.println("Name(Z-A) filter is Applied");  
  
    }  
}
```



The screenshot displays the Eclipse IDE interface. The main editor window shows a Java file named `t1.java` with the following code:

```
1 package com.selenium.cc1q2;  
2  
3 import org.openqa.selenium.By;  
4 import org.openqa.selenium.WebDriver;  
5 import org.openqa.selenium.WebElement;  
6 import org.openqa.selenium.chrome.ChromeDriver;  
7 import org.openqa.selenium.chrome.ChromeOptions;  
8 import org.openqa.selenium.support.ui.Select;  
9  
10 import io.github.bonigarcia.wdm.WebDriverManager;  
11  
12 public class t1 {  
13  
14     public static void main(String[] args) {  
15         WebDriverManager.chromedriver().setup();  
16         ChromeOptions co=new ChromeOptions();  
17         co.addArguments("--remote-allow-origins=*");  
18         WebDriver driver =new ChromeDriver(co);  
19         driver.manage().window().maximize();  
20         driver.get("https://www.saucedemo.com/inventory.html");  
21         WebElement unname=driver.findElement(By.name("user-name"));  
22         WebElement pwd=driver.findElement(By.name("password"));  
23         WebElement submit=driver.findElement(By.name("login-button"));
```

The console window at the bottom shows the following output:

```
terminated: t1 [Java Application] C:\eclipse\plugins\org.eclipse.jdt.launcher\hotspot\jre.full.win32.x86_64.17.0.4.v2022-09-03-1018\jre\bin\javaw.exe (May 3, 2023 3:42:44 PM - 3:43:16 PM) [pid: 17704]  
SLF4J: No SLF4J providers were found.  
SLF4J: Defaulting to no-operation (NOP) logger implementation  
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.  
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/56150/#936) on port 19619  
Only local connections are allowed.  
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.  
ChromeDriver was started successfully.  
Name (A-Z) filter is Applied  
Name (Z-A) filter is Applied
```

TASK-2:

```
package com.selenium.cc1q2;

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 org.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

public class t2 {
    public static void main(String[] args){
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver =new ChromeDriver(co);
        driver.manage().window().maximize();
        driver.get("https://www.saucedemo.com/inventory.html");
        WebElement uname=driver.findElement(By.name("user-name"));
        WebElement pwd=driver.findElement(By.name("password"));
        WebElement submit=driver.findElement(By.name("login-button"));
```

```
uname.sendKeys("standard_user");  
pwd.sendKeys("secret_sauce");  
submit.click();  
  
WebElement  
sort1=driver.findElement(By.className("product_sort_container"));  
  
sort1.click();  
  
Select select=new Select(sort1);  
  
select.selectByIndex(0);  
  
String fpo=driver.findElement(By.className("inventory_item_name")).getText();  
System.out.println("First product name in Name(A-Z) filter is "+fpo);  
  
select.selectByIndex(1);  
  
String fp1=driver.findElement(By.className("inventory_item_name")).getText();  
System.out.println("First product name in Name(Z-A) filter is "+fp1);  
  
}  
}
```

The screenshot shows the Eclipse IDE with a Java project named 'test1'. The project structure includes a package 'com.selenium.cctq2' with classes 't1.java' and 't2.java'. The 't2.java' file contains the Selenium test code shown in the previous block. The console output shows the following messages:

```
<terminated> 12 [Java Application] C:\eclipse\plugins\org.eclipse.jdt.ui\org.eclipse.jdt.ui.hotspot.jre.full.win32.x86_64-17.0.4.v20220903-1010\jre\bin\javaw.exe (May 3, 2023, 3:46:15 PM) [pid: 21360]  
SLF4J: No SLF4J providers were found.  
SLF4J: Defaulting to no-operation (NOP) logger implementation  
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.  
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb8f1c1e1cfe3078709302934e3916914-refa/branch-heads/56158(#936)) on port 3481  
Only local connections are allowed.  
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.  
ChromeDriver was started successfully.  
First product name in Name(A-Z) filter is Sauce Labs Backpack  
First product name in Name(Z-A) filter is Test.allTheThings() T-Shirt (Red)
```

TASK-3:

```
package com.selenium.cc1q2;

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 org.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

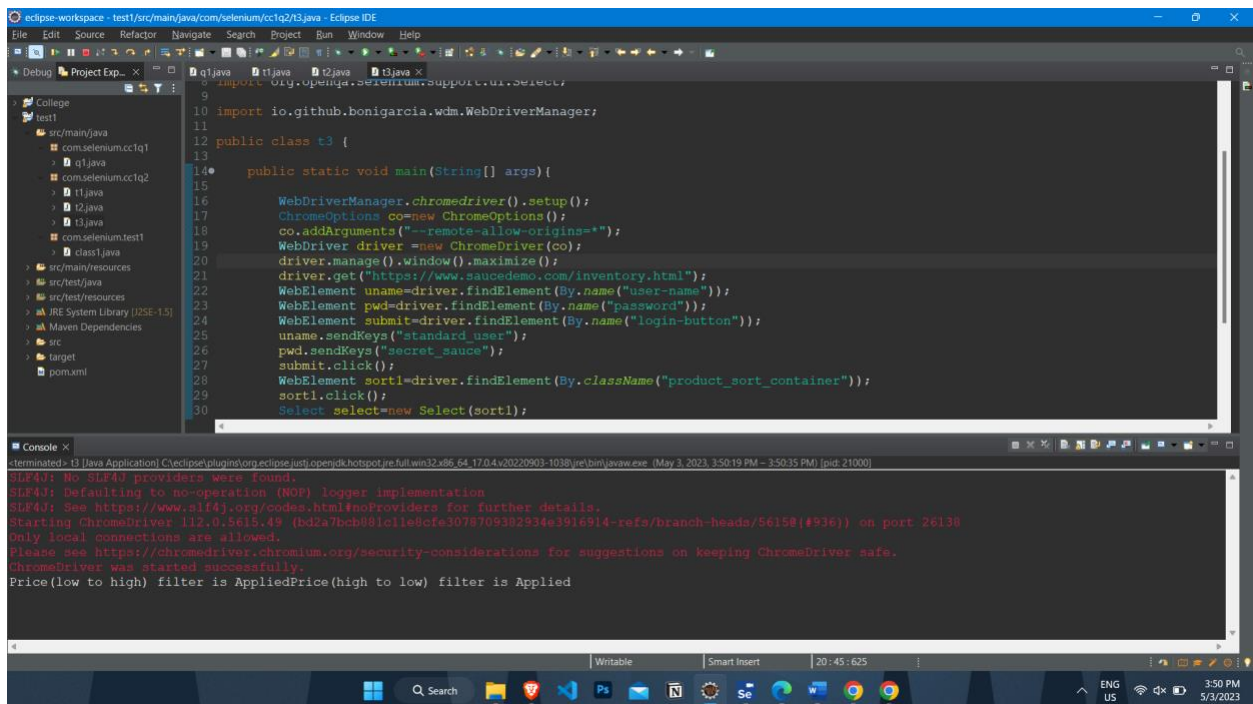
public class t3 {

    public static void main(String[] args){

        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver =new ChromeDriver(co);
        driver.manage().window().maximize();

        driver.get("https://www.saucedemo.com/inventory.html");
        WebElement uname=driver.findElement(By.name("user-
name"));
        WebElement
pwd=driver.findElement(By.name("password"));
        WebElement submit=driver.findElement(By.name("login-
button"));
        uname.sendKeys("standard_user");
        pwd.sendKeys("secret_sauce");
        submit.click();
        WebElement
sort1=driver.findElement(By.className("product_sort_container"))
;
        sort1.click();
        Select select=new Select(sort1);
        select.selectByIndex(2);
        System.out.print("Price(low to high) filter is
Applied");
```

```
WebElement  
sort2=driver.findElement(By.className("product_sort_container"))  
;  
    sort2.click();  
    Select select1=new Select(sort2);  
    select1.selectByIndex(3);  
    System.out.print("Price(high to low) filter is  
Applied");  
    }  
}
```



The screenshot displays the Eclipse IDE interface. The left sidebar shows a project structure with folders like 'College', 'src/main/java', 'src/test/java', and 'src/main/resources'. The main editor window shows a Java file named 't3.java' with the following code:

```
10 import io.github.bonigarcia.wdm.WebDriverManager;  
11  
12 public class t3 {  
13  
14     public static void main(String[] args){  
15  
16         WebDriverManager.chromedriver().setup();  
17         ChromeOptions co=new ChromeOptions();  
18         co.addArguments("--remote-allow-origins=*");  
19         WebDriver driver =new ChromeDriver(co);  
20         driver.manage().window().maximize();  
21         driver.get("https://www.saucedemo.com/inventory.html");  
22         WebElement uname=driver.findElement(By.name("user-name"));  
23         WebElement pwd=driver.findElement(By.name("password"));  
24         WebElement submit=driver.findElement(By.name("login-button"));  
25         uname.sendKeys("standard_user");  
26         pwd.sendKeys("secret_sauce");  
27         submit.click();  
28         WebElement sort1=driver.findElement(By.className("product_sort_container"));  
29         sort1.click();  
30         Select select=new Select(sort1);
```

The bottom console window shows the following output:

```
<terminated> t3 [Java Application] C:\eclipse\plugins\org.eclipse.justopenjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (May 3, 2023, 3:50:19 PM - 3:50:35 PM) [pid: 21000]  
SLF4J: No SLF4J providers were found.  
SLF4J: Defaulting to no-operation (NOP) logger implementation  
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.  
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709302934e3916914-refs/branch-heads/56150(#936)) on port 26138  
Only local connections are allowed.  
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.  
ChromeDriver was started successfully.  
Price(low to high) filter is AppliedPrice(high to low) filter is Applied
```


TASK-4:

```
package com.selenium.cclq2;

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 org.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

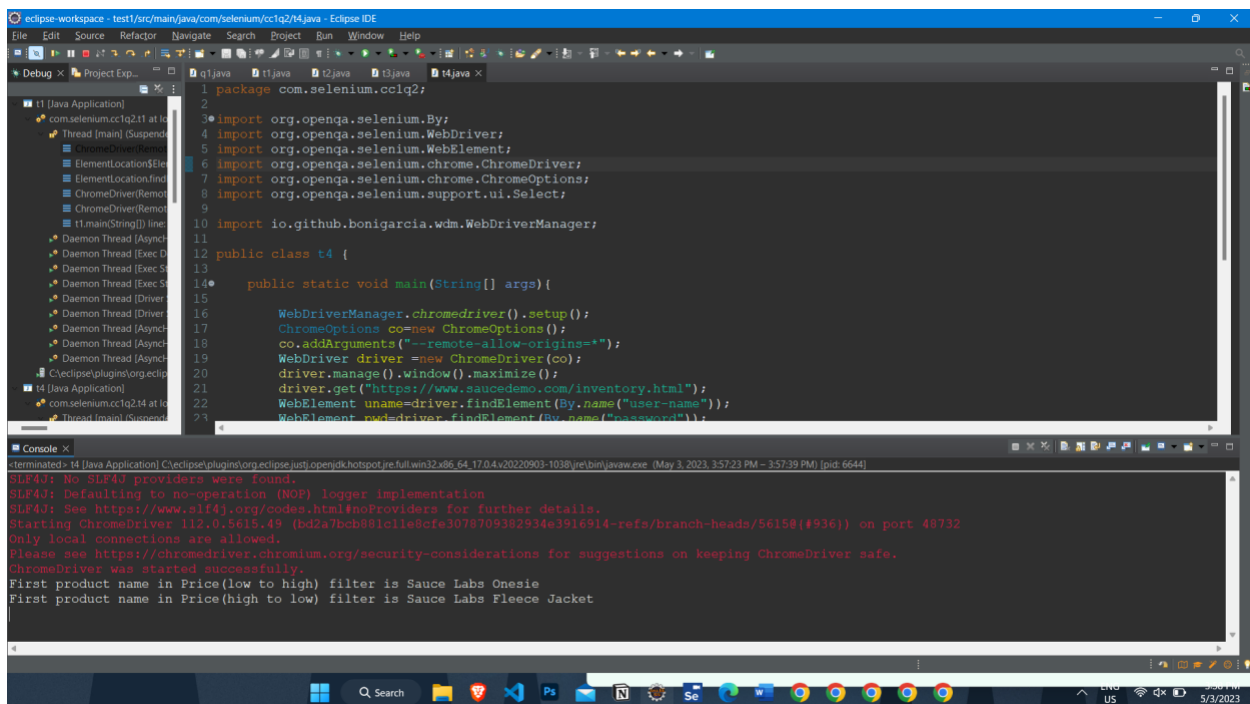
public class t4 {

    public static void main(String[] args){

        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver =new ChromeDriver(co);
        driver.manage().window().maximize();

        driver.get("https://www.saucedemo.com/inventory.html");
        WebElement uname=driver.findElement(By.name("user-
name"));
        WebElement
pwd=driver.findElement(By.name("password"));
        WebElement submit=driver.findElement(By.name("login-
button"));
        uname.sendKeys("standard_user");
        pwd.sendKeys("secret_sauce");
        submit.click();
        WebElement
sort1=driver.findElement(By.className("product_sort_container"))
;
        sort1.click();
        Select select=new Select(sort1);
        select.selectByIndex(2);
        String
d1=driver.findElement(By.className("inventory_item_name")).getTe
xt();
        System.out.println("First product name in Price(low to
high) filter is "+d1);
```

```
WebElement  
sort2=driver.findElement(By.className("product_sort_container"))  
;  
    sort2.click();  
    Select select1=new Select(sort2);  
    select1.selectByIndex(3);  
    String  
d2=driver.findElement(By.className("inventory_item_name")).getText();  
    System.out.println("First product name in Price(high  
to low) filter is "+d2);  
  
    }  
}
```



The screenshot shows the Eclipse IDE with a Java project named 'test1'. The main editor displays the Selenium test code, which includes imports for Selenium WebDriver, ChromeDriver, and Select, and a main class 't4' with a 'main' method. The console output shows the execution of the test, including the initialization of ChromeDriver and the execution of the test script. The test results show that the first product name in the Price (high to low) filter is 'Sauce Labs Onesie'.

```
1 package com.selenium.cc1q2;  
2  
3 import org.openqa.selenium.By;  
4 import org.openqa.selenium.WebDriver;  
5 import org.openqa.selenium.WebElement;  
6 import org.openqa.selenium.chrome.ChromeDriver;  
7 import org.openqa.selenium.chrome.ChromeOptions;  
8 import org.openqa.selenium.support.ui.Select;  
9  
10 import io.github.bonigarcia.wdm.WebDriverManager;  
11  
12 public class t4 {  
13  
14     public static void main(String[] args) {  
15  
16         WebDriverManager.chromedriver().setup();  
17         ChromeOptions co=new ChromeOptions();  
18         co.addArguments("--remote-allow-origins=*");  
19         WebDriver driver =new ChromeDriver(co);  
20         driver.manage().window().maximize();  
21         driver.get("https://www.saucedemo.com/inventory.html");  
22         WebElement uname=driver.findElement(By.name("user-name"));  
23         WebElement pw=driver.findElement(By.name("password"));  
24  
25     }  
26 }  
27
```

Console Output:

```
<terminated> t4 [Java Application] C:\eclipse\plugins\org.eclipse.jdt.ui\org.eclipse.jdt.ui.hotspot.jre.full.win32.x86_64-17.0.4.v20220903-1018\jre\bin\javaw.exe (May 3, 2023, 3:57:23 PM - 3:57:39 PM) [pid: 6644]  
SLF4J: No SLF4J providers were found.  
SLF4J: Defaulting to no-operation (NOP) logger implementation  
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.  
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709302934e3916914-refs/branch-heads/56150{#936}) on port 48732  
Only local connections are allowed.  
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.  
ChromeDriver was started successfully.  
First product name in Price (low to high) filter is Sauce Labs Onesie  
First product name in Price (high to low) filter is Sauce Labs Fleece Jacket
```