

CODING CONTEST 1

(Q1)

CODING:

```
package com.demo.CC1;

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();
        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());

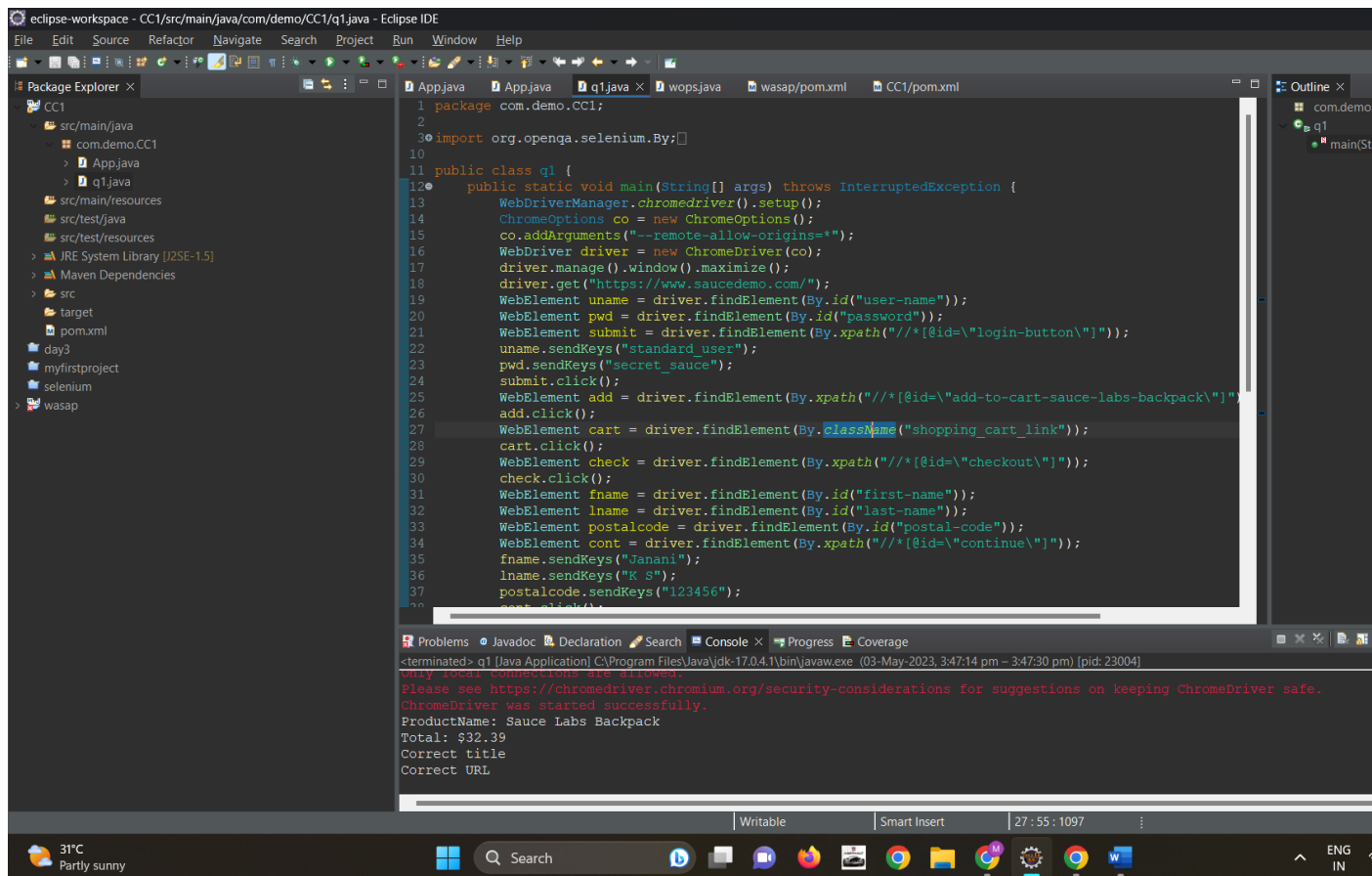
        WebElement print1 = driver.findElement(By.xpath("//*[@id=\"checkout_summary_container\"]div/div[2]/div[8]"));
        System.out.println(print1.getText());

        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");
    }
}
```

```
}  
}
```

OUTPUT:



```
eclipse-workspace - CC1/src/main/java/com/demo/CC1/q1.java - Eclipse IDE  
File Edit Source Refactor Navigate Search Project Run Window Help  
Package Explorer  
CC1  
  src/main/java  
    com.demo.CC1  
      App.java  
      q1.java  
  src/main/resources  
  src/test/java  
  src/test/resources  
  JRE System Library [J2SE-1.5]  
  Maven Dependencies  
  src  
  target  
  pom.xml  
  day3  
  myfirstproject  
  selenium  
  wasap  
App.java App.java q1.java wopsjava wasap/pom.xml CC1/pom.xml  
1 package com.demo.CC1;  
2  
3 import org.openqa.selenium.By;  
10  
11 public class q1 {  
12     public static void main(String[] args) throws InterruptedException {  
13         WebDriverManager.chromedriver().setup();  
14         ChromeOptions co = new ChromeOptions();  
15         co.addArguments("--remote-allow-origins=*");  
16         WebDriver driver = new ChromeDriver(co);  
17         driver.manage().window().maximize();  
18         driver.get("https://www.saucedemo.com/");  
19         WebElement uname = driver.findElement(By.id("user-name"));  
20         WebElement pwd = driver.findElement(By.id("password"));  
21         WebElement submit = driver.findElement(By.xpath("//*[@id=\"login-button\"]"));  
22         uname.sendKeys("standard_user");  
23         pwd.sendKeys("secret_sauce");  
24         submit.click();  
25         WebElement add = driver.findElement(By.xpath("//*[@id=\"add-to-cart-sauce-labs-backpack\"]"));  
26         add.click();  
27         WebElement cart = driver.findElement(By.className("shopping_cart_link"));  
28         cart.click();  
29         WebElement check = driver.findElement(By.xpath("//*[@id=\"checkout\"]"));  
30         check.click();  
31         WebElement fname = driver.findElement(By.id("first-name"));  
32         WebElement lname = driver.findElement(By.id("last-name"));  
33         WebElement postalcode = driver.findElement(By.id("postal-code"));  
34         WebElement cont = driver.findElement(By.xpath("//*[@id=\"continue\"]"));  
35         fname.sendKeys("Janani");  
36         lname.sendKeys("K S");  
37         postalcode.sendKeys("123456");  
38         cont.click();  
Problems Javadoc Declaration Search Console Progress Coverage  
<terminated> q1 [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (03-May-2023, 3:47:14 pm - 3:47:30 pm) [pid: 23004]  
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
```

(Q2)

CODING:

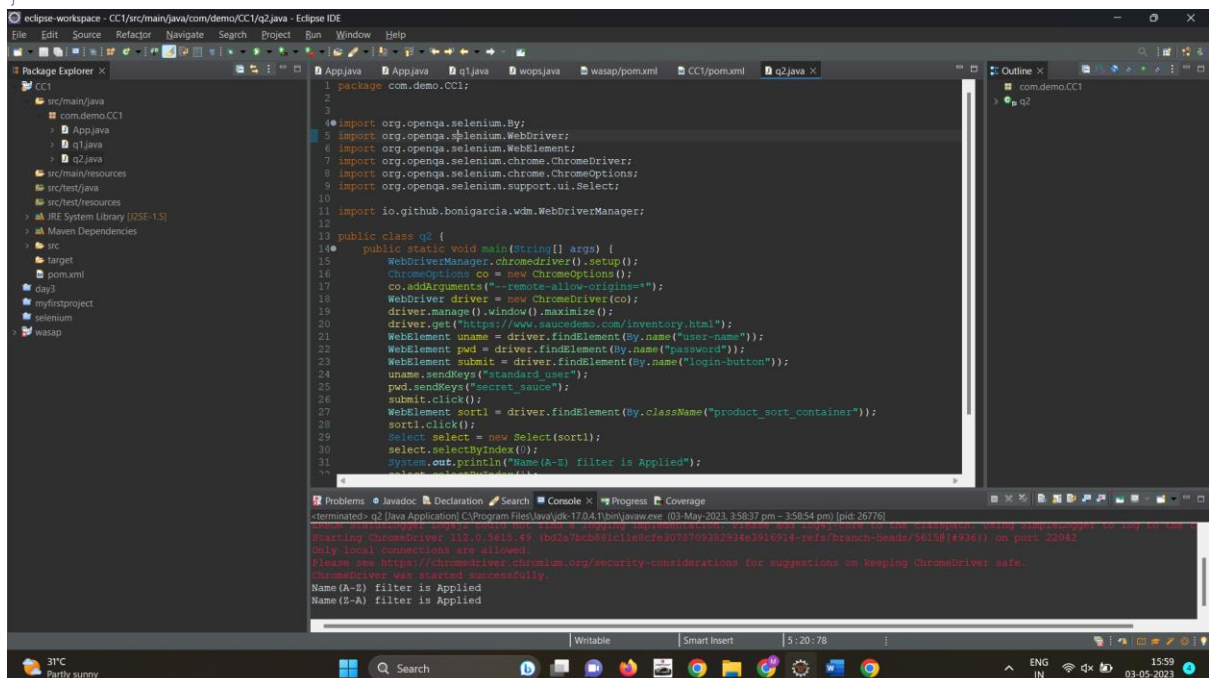
Q2 Task 1:

```
package com.demo.CC1;

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 q2 {
    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);
        System.out.println("Name(A-Z) filter is Applied");
        select.selectByIndex(1);
        System.out.println("Name(Z-A) filter is Applied");
    }
}
```



Q2 TASK 2:

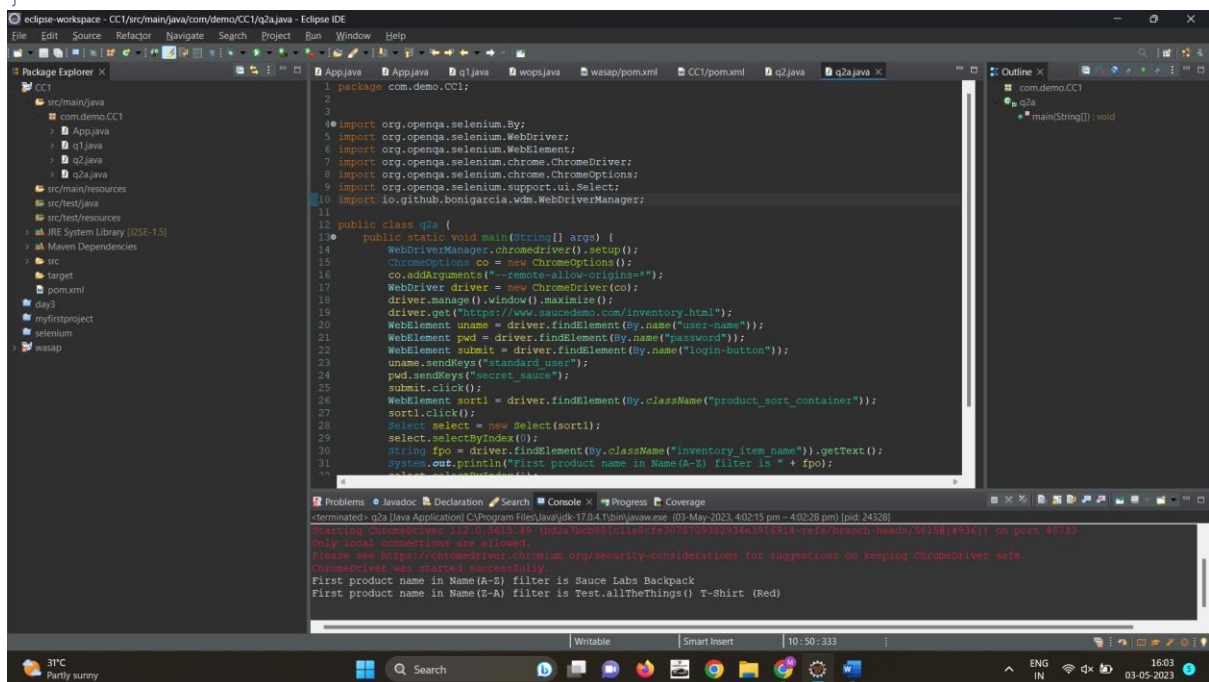
```
package com.demo.CC1;
```

```

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 q2a {
    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);
    }
}

```



Q2 TASK 3:

```

package com.demo.CC1;

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;

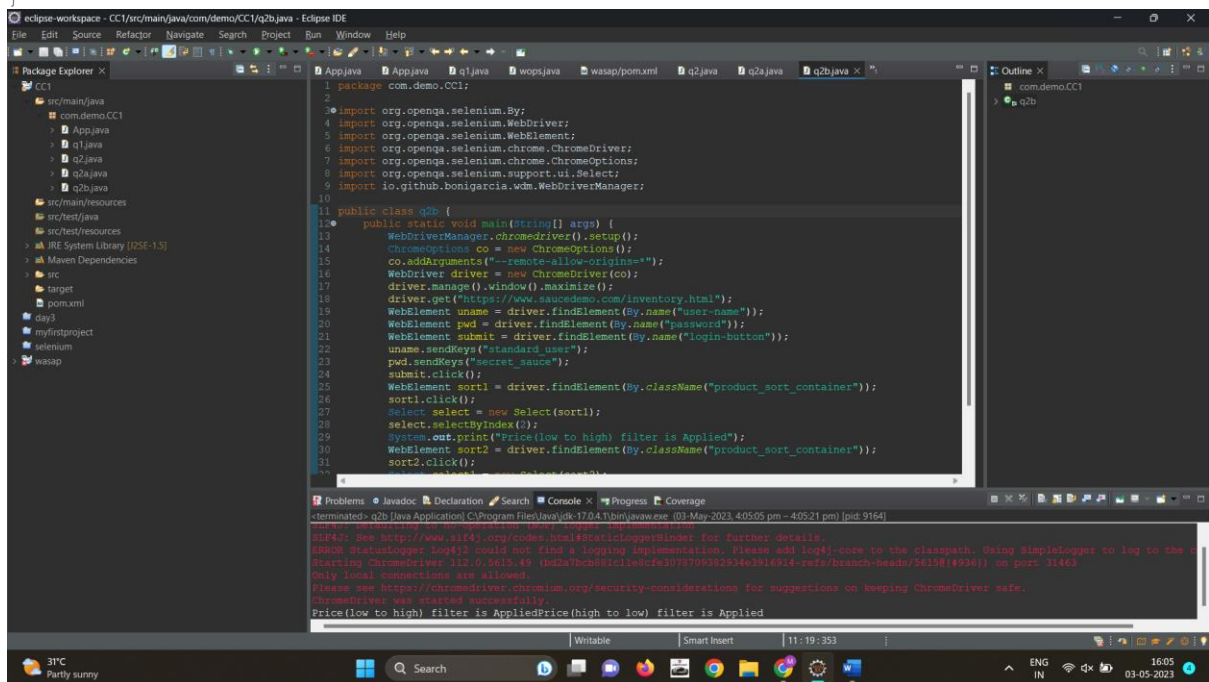
```

```

import org.openqa.selenium.support.ui.Select;
import io.github.bonigarcia.wdm.WebDriverManager;

public class q2b {
    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");
    }
}

```



Q2 TASK 4:

```
package com.demo.CC1;
```

```

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 q2c {
    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")).getText();
        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 interface. The Package Explorer on the left lists the project structure, including the main package and test packages. The main editor displays the source code of the `q2c` class, which is a Selenium WebDriver test script. The Console window at the bottom shows the output of the program, including the Selenium WebDriver startup logs and the printed product names.

```

terminated> q2c [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\java.exe (03-May-2023, 4:07:53 pm) [pid: 22740]
Starting ChromeDriver 112.0.5682.49 (b3b69130c49f120a2121d1321d3180c1c016914-refs/branch-heads/56130@#336) on port 28444
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

```

