

1)

```
package com.selenium.project1;

import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

import org.testng.annotations.BeforeTest;
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.testng.Assert;
import org.testng.annotations.AfterTest;

public class CC1_Q1 {
    WebDriver driver;

    @Test
    public void f() throws Exception {
        Thread.sleep(3000);
        WebElement user = driver.findElement(By.id("user-name"));
        user.sendKeys("standard_user");
        WebElement pwd = driver.findElement(By.name("password"));
        pwd.sendKeys("secret_sauce");
        WebElement login = driver.findElement(By.id("login-button"));
```

```
login.click();
```

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

```
WebElement add = driver.findElement(By.id("add-to-cart-sauce-labs-backpack"));
```

```
add.click();
```

```
WebElement cartbtn =  
driver.findElement(By.className("shopping_cart_link"));
```

```
cartbtn.click();
```

```
Thread.sleep(2000);
```

```
Assert.assertEquals(driver.getCurrentUrl(),  
"https://www.saucedemo.com/cart.html");
```

```
WebElement checkoutbtn = driver.findElement(By.id("checkout"));
```

```
checkoutbtn.click();
```

```
Thread.sleep(2000);
```

```
Assert.assertEquals(driver.getCurrentUrl(),  
"https://www.saucedemo.com/checkout-step-one.html");
```

```
WebElement fname = driver.findElement(By.id("first-name"));
```

```
fname.sendKeys("standard");
```

```
WebElement lname = driver.findElement(By.id("last-name"));
```

```
lname.sendKeys("user");
```

```
WebElement code = driver.findElement(By.id("postal-code"));
```

```
code.sendKeys("123456");
```

```
WebElement continuebtn = driver.findElement(By.id("continue"));
```

```
        continuebtn.click();

        Thread.sleep(3000);

        WebElement prod_name =
driver.findElement(By.className("inventory_item_name"));

        WebElement prod_price =
driver.findElement(By.className("inventory_item_price"));

        System.out.println(prod_name.getText());

        System.out.println(prod_price.getText());

        String title = driver.getTitle();

        Assert.assertEquals(title, "Swag Labs");

        Assert.assertEquals(driver.getCurrentUrl(),
"https://www.saucedemo.com/checkout-step-two.html");

    }

    @BeforeTest
    public void beforeTest() {

        // Driver Setup

        WebDriverManager.chromedriver().setup();

        ChromeOptions co = new ChromeOptions();

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

        driver = new ChromeDriver(co);

        // Open URL

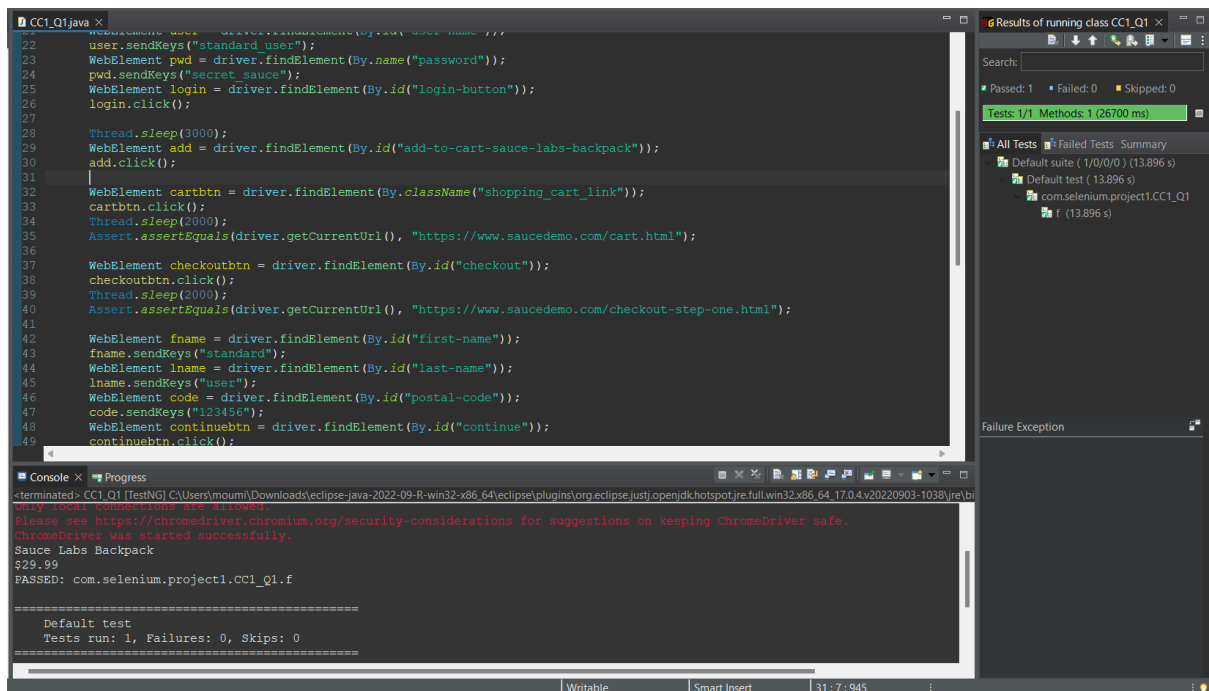
        driver.get("https://www.saucedemo.com/");

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

    }
```

@AfterTest

```
public void afterTest() {  
  
    driver.quit();  
  
}  
  
}
```



2)

```
package com.selenium.project1;

import org.testng.annotations.Test;
import io.github.bonigarcia.wdm.WebDriverManager;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

public class CC2_C2 {
    WebDriver driver;

    @Test
    public void f() throws Exception {
        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);
    }
}
```

```
JavascriptExecutor js=(JavascriptExecutor)driver;
js.executeScript("window.scrollTo(0,1000)","");

Thread.sleep(3000);

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

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

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

Thread.sleep(3000);

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

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

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

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

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

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

```
    }  
}
```

The screenshot displays the Eclipse IDE interface with three main panels:

- Editor:** Shows the source code for `CC2_C2.java`. The code is a Selenium test class that uses `WebDriver` to interact with a web application. It includes setup for `ChromeDriver`, navigation to `https://www.saucedemo.com/`, and actions like scrolling, logging in, and clicking on a link. The code is as follows:

```
12
13 public class CC2_C2 {
14     WebDriver driver;
15     @Test
16     public void f() throws Exception {
17         WebDriverManager.chromedriver().setup();
18         ChromeOptions co=new ChromeOptions();
19         co.addArguments("--remote-allow-origins=*");
20         WebDriver driver=new ChromeDriver(co);
21
22         driver.get("https://www.saucedemo.com/");
23         driver.manage().window().maximize();
24
25         Thread.sleep(3000);
26         JavascriptExecutor js=(JavascriptExecutor)driver;
27         js.executeScript("window.scrollTo(0,1000)","");
28
29         Thread.sleep(3000);
30         driver.findElement(By.xpath("//*[id=\"user-name\"]")).sendKeys("standard_user");
31         driver.findElement(By.xpath("//*[id=\"password\"]")).sendKeys("secret_sauce");
32         driver.findElement(By.xpath("//*[id=\"login-button\"]")).click();
33
34         Thread.sleep(3000);
35         driver.findElement(By.xpath("//*[id=\"header_container\"]/div[2]/div/span/select")).isEnabled();
36         System.out.println("A-Z: " + driver.findElement(By.xpath("//*[id=\"item 4 title link\"]/div")).getText());
37         driver.findElement(By.xpath("//*[id=\"header_container\"]/div[2]/div/span/select")).click();
38     }
39 }
```
- Results:** The 'Results of running class CC2\_C2' panel shows a summary of the test execution. It indicates that 1 test passed, 0 failed, and 0 were skipped. The total time taken was 18.177 seconds. The test is identified as 'Default test (1/0/0/0) (18.177 s)'.
- Console:** The console output shows the execution of the test. It starts with a warning about local connections, followed by the successful start of `ChromeDriver`. The test then prints 'A-Z: Sauce Labs Backpack' and 'A-Z: \$7.99'. The final output is 'PASSED: com.selenium.project1.CC2\_C2.f'.