

1) Coding:

```
1 package com.selenium.cse2;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.JavascriptExecutor;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8 import org.openqa.selenium.chrome.ChromeOptions;
9 import org.openqa.selenium.edge.EdgeDriver;
10 import org.testng.Assert;
11
12 import io.github.bonigarcia.wdm.WebDriverManager;
13
14 public class ccq1 {
15
16     public static void main(String[] args) throws Exception {
17         // Chrome Driver Setup
18         WebDriverManager.edgedriver().setup();
19         WebDriver driver=new EdgeDriver();
20
21         driver.get("https://www.saucedemo.com/");
22         driver.manage().window().maximize();
23
24         Thread.sleep(3000);
25         JavascriptExecutor js=(JavascriptExecutor)driver;
26         js.executeScript("window.scrollTo(0,1000)","");
27         WebElement n=driver.findElement(By.id("user-name"));
28         n.sendKeys("standard_user");
29         WebElement pass=driver.findElement(By.id("password"));
30         pass.sendKeys("secret_sauce");
31         WebElement login=driver.findElement(By.id("login-button"));
32         login.submit();
```

```
33 WebElement cart=driver.findElement(By.id("add-to-cart-sauce-labs-backpack"));
34 cart.click();
35 Thread.sleep(3000);
36 WebElement cart1=driver.findElement(By.className("shopping_cart_link"));
37 cart1.click();
38 WebElement checkout=driver.findElement(By.id("checkout"));
39 checkout.click();
40 Thread.sleep(3000);
41 WebElement fn=driver.findElement(By.id("first-name"));
42 fn.sendKeys("Prajwal");
43 WebElement ln=driver.findElement(By.id("last-name"));
44 ln.sendKeys("Pandi");
45 WebElement pin=driver.findElement(By.id("postal-code"));
46 pin.sendKeys("600010");
47 WebElement Con=driver.findElement(By.id("continue"));
48 Con.submit();
49 WebElement name=driver.findElement(By.className("inventory_item_name"));
50 String t1=name.getText();
51 System.out.println(t1);
52 WebElement price=driver.findElement(By.className("inventory_item_price"));
53 String t2=price.getText();
54 System.out.println(t2);
55 Thread.sleep(3000);
56 String u1=driver.getCurrentUrl();
57 System.out.println(u1);
58 String u2="https://www.saucedemo.com/checkout-step-two.html";
59 Assert.assertEquals(u1, u2);
60 Thread.sleep(3000);
61 String u3=driver.getTitle();
62 System.out.println(u3);
63 String u4="Swag Labs";
64 Assert.assertEquals(u3, u4);
```

```

42     tn.sendKeys("Prajwal");
43     WebElement ln=driver.findElement(By.id("last-name"));
44     ln.sendKeys("Pandi");
45     WebElement pin=driver.findElement(By.id("postal-code"));
46     pin.sendKeys("600010");
47     WebElement Con=driver.findElement(By.id("continue"));
48     Con.submit();
49     WebElement name=driver.findElement(By.className("inventory_item_name"));
50     String t1=name.getText();
51     System.out.println(t1);
52     WebElement price=driver.findElement(By.className("inventory_item_price"));
53     String t2=price.getText();
54     System.out.println(t2);
55     Thread.sleep(3000);
56     String u1=driver.getCurrentUrl();
57     System.out.println(u1);
58     String u2="https://www.saucedemo.com/checkout-step-two.html";
59     Assert.assertEquals(u1, u2);
60     Thread.sleep(3000);
61     String u3=driver.getTitle();
62     System.out.println(u3);
63     String u4="Swag Labs";
64     Assert.assertEquals(u3, u4);
65
66
67
68
69
70 }
71
72 }
73

```

Output:

The screenshot shows the Eclipse IDE interface with the following components:

- Project Explorer:** Shows the project structure with files like `src/main/java/com/selenium.cse2` and `src/test/java`.
- Code Editor:** Displays the Java code for `ccq1.java`, which includes assertions for URL, title, and text.
- Console:** Shows the output of the test execution, including the URL `https://www.saucedemo.com/checkout-step-two.html` and the title `Swag Labs`.
- Variables View:** Shows the current state of variables during the test execution.
- Notification:** A "Screenshot Added" notification from Dropbox is visible in the bottom right corner.

The console output includes the following messages:

```

<terminated> ccq1 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-May-2023, 4:31:01 pm - 4:31:26 pm) [pid: 11668]
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.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleLogger to log to the console...
Starting Microsoft Edge WebDriver: 112.0.1722.39 (e40a520f851f31c19c0c93c4278f5b408ec37d7c) on port 20288
To submit feedback, report a bug, or suggest new features, please visit https://github.com/MicrosoftEdge/EdgeWebDriver

Only local connections are allowed.
Please see https://aka.ms/WebDriverSecurity for suggestions on keeping Microsoft Edge WebDriver safe.

Microsoft Edge WebDriver was started successfully.
Sauce Labs Backpack
$29.99
https://www.saucedemo.com/checkout-step-two.html
Swag Labs

```

CC1

Name: Prajwal Pandi S V

Reg No: 727721eucs102

The screenshot shows the Eclipse IDE with a project named 'cse2'. The Project Explorer on the left shows the package structure: 'com.selenium.cse2' containing 'App.java', 'app2.java', 'CC1.java', 'ccq1.java', 'ccq2.java', 'Day4.java', 'NewTest.java', 'NewTest2.java', 'NewTest3.java', and 'NewTest4.java'. The 'src/test/java' directory contains 'NewTest.java', 'NewTest2.java', 'NewTest3.java', and 'NewTest4.java'. The 'src' directory contains 'srcTest.java', 'JRE System Library [JavaSE-1.7]', 'Maven Dependencies', 'TestNG', 'target', 'test-output', and 'pom.xml'.

The main editor displays the code for 'ccq1.java':

```
1 package com.selenium.cse2;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.JavascriptExecutor;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8 import org.openqa.selenium.chrome.ChromeOptions;
9 import org.openqa.selenium.edge.EdgeDriver;
10 import org.testng.Assert;
11
12 import io.github.bonigarcia.wdm.WebDriverManager;
13
14 public class ccq1 {
15
16     public static void main(String[] args) throws Exception {
17         // Chrome Driver Setup
18         WebDriverManager.edgedriver().setup();
19         WebDriver driver=new EdgeDriver();
20
21         driver.get("https://www.saucedemo.com/");
22         driver.manage().window().maximize();
23     }
24 }
```

The Console window shows the following output:

```
<terminated> ccq1 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-May-2023, 4:31:01 pm - 4:31:26 pm) [pid: 11668]
SLF4J: No SLF4J providers were found.
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SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleLogger to log to the console...
Starting Microsoft Edge WebDriver 112.0.1722.39 (e48a520f851f31c19c0c93c4278f5b408ec37d7c) on port 20288
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https://www.saucedemo.com/checkout-step-two.html
Swag Labs
```

A Dropbox notification is visible in the bottom right corner: "Screenshot Added. A screenshot was added to your Dropbox."

The screenshot shows the Eclipse IDE with the same project structure as the previous screenshot. The main editor displays the code for 'ccq2.java':

```
42 fn.sendKeys("Prajwal");
43 WebElement ln=driver.findElement(By.id("last-name"));
44 ln.sendKeys("Pandi");
45 WebElement pin=driver.findElement(By.id("postal-code"));
46 pin.sendKeys("600010");
47 WebElement Con=driver.findElement(By.id("continue"));
48 Con.submit();
49 WebElement name=driver.findElement(By.className("inventory_item_name"));
50 String t1=name.getText();
51 System.out.println(t1);
52 WebElement price=driver.findElement(By.className("inventory_item_price"));
53 String t2=price.getText();
54 System.out.println(t2);
55 Thread.sleep(3000);
56 String u1=driver.getCurrentUrl();
57 System.out.println(u1);
58 String u2="https://www.saucedemo.com/checkout-step-two.html";
59 Assert.assertEquals(u1, u2);
60 Thread.sleep(3000);
61 String u3=driver.getTitle();
62 System.out.println(u3);
63 String u4="Swag Labs";
64 Assert.assertEquals(u3, u4);
65 }
```

The Console window shows the following output:

```
<terminated> ccq1 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-May-2023, 4:31:01 pm - 4:31:26 pm) [pid: 11668]
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SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleLogger to log to the console...
Starting Microsoft Edge WebDriver 112.0.1722.39 (e48a520f851f31c19c0c93c4278f5b408ec37d7c) on port 20288
To submit feedback, report a bug, or suggest new features, please visit https://github.com/MicrosoftEdge/EdgeWebDriver

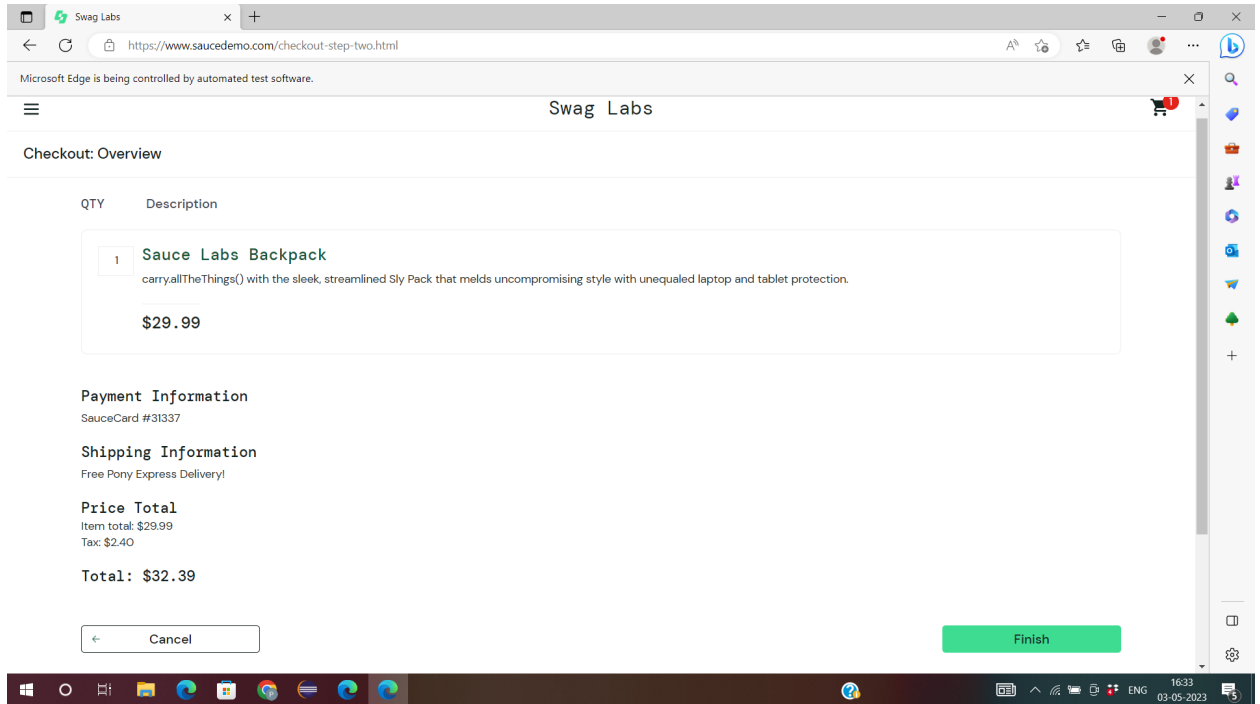
Only local connections are allowed.
Please see https://aka.ms/WebDriverSecurity for suggestions on keeping Microsoft Edge WebDriver safe.

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```

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Name: Prajwal Pandi S V

Reg No: 727721eucs102



2)

Coding:

```
package com.selenium.cse2;

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.edge.EdgeDriver;

public class ccq2 {
    WebDriver driver;
    @Test
    public void f() throws Exception {
        WebDriverManager.edgedriver().setup();
        WebDriver driver=new EdgeDriver();

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

        Thread.sleep(3000);
    }
}

public class ccq2 {
    WebDriver driver;
    @Test
    public void f() throws Exception {
        WebDriverManager.edgedriver().setup();
        WebDriver driver=new EdgeDriver();

        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_sauce");
        driver.findElement(By.xpath("//*[@id=\"login-button\"]")).click();
        Thread.sleep(3000);
    }
}
```

```

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_sauce");
driver.findElement(By.xpath("//*[@id=\"login-button\"]")).click();
Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).
System.out.println("A-Z:" + driver.findElement(By.xpath("//*[@id=\"item_4_title_link\
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/opt
System.out.println("Z-A:" + driver.findElement(By.xpath("//*[@id=\"item_3_title_link\
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/opt
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/opt
System.out.println("Z-A:" + driver.findElement(By.xpath("//*[@id=\"inventory_containe
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/opt
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/opt
System.out.println("Z-A:" + driver.findElement(By.xpath("//*[@id=\"inventory_containe
}
}

```

Output:

The screenshot shows the Eclipse IDE interface with the following components:

- Project Explorer:** Displays the project structure for 'cse2', including 'src/main/java' and 'src/test/java'.
- Code Editor:** Shows the 'ccq2.java' file with the Selenium test code. The code includes imports for 'Thread', 'JavascriptExecutor', 'WebDriver', 'By', and 'System.out'. The test logic involves logging in, scrolling, and printing prices for various items.
- Console:** Displays the output of the test execution. It shows the test class 'ccq2' running successfully, with the following output:


```

<terminated> ccq2 [TestNG] C:\Program Files\Java\jdk-19\bin\javaw.exe (03-May-2023, 4:35:09 pm - 4:35:28 pm) [pid: 8960]
Z-A:$7.99
Z-A:$49.99
PASSED: f

Default test
Tests run: 1, Failures: 0, Skips: 0

Default suite
Total tests run: 1, Passes: 1, Failures: 0, Skips: 0

```
- Dropbox Notification:** A small notification in the bottom right corner stating 'Screenshot Added' and 'A screenshot was added to your Dropbox'.

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Name: Prajwal Pandi S V

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Swag Labs

Products


Price (high to low)



Sauce Labs Fleece Jacket
It's not every day that you come across a midweight quarter-zip fleece jacket capable of handling everything from a relaxing day outdoors to a busy day at the office.

\$49.99


Add to cart



Sauce Labs Backpack
carryallTheThings() with the sleek, streamlined Sly Pack that melds uncompromising style with unequaled laptop and tablet protection.

\$29.99


Add to cart



Sauce Labs Bolt T-Shirt
Get your testing superhero on with the Sauce Labs bolt T-shirt. From American Apparel, 100% ringspun combed cotton, heather gray with red bolt.

\$15.99

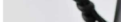
Add to cart




Test.allTheThings() T-Shirt (Red)
This classic Sauce Labs t-shirt is perfect to wear when cozying up to your keyboard to automate a few tests. Super-soft and comfy ringspun combed cotton.

\$15.99

Add to cart



Sauce Labs Bike Light



Sauce Labs Onesie

Microsoft Edge is being controlled by automated test software.

16:35 03-05-2023