

Question 1

Java code:

```
package com.selenium.cial;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
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 io.github.bonigarcia.wdm.WebDriverManager;

public class CCQ1 {
    public static void main(String[] args) throws Exception {
        // Chrome Driver Setup
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);

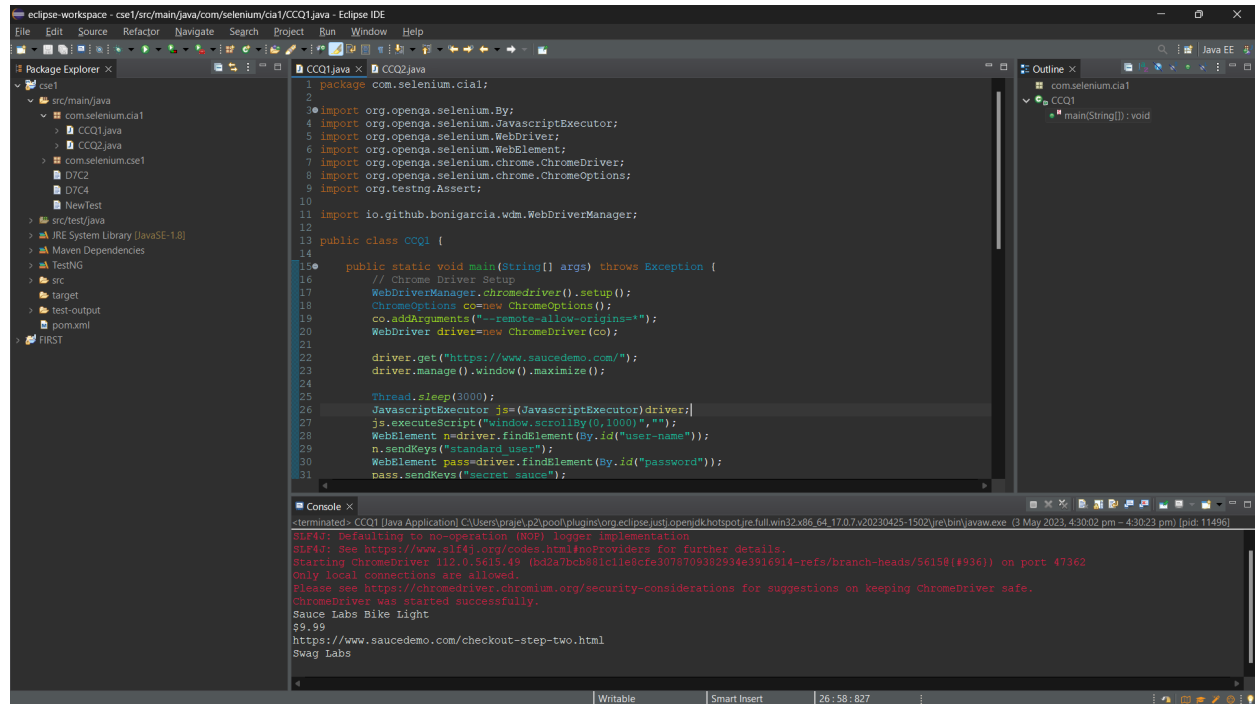
        driver.get("https://www.saucedemo.com/");
        driver.manage().window().maximize();

        Thread.sleep(3000);
        JavascriptExecutor js=(JavascriptExecutor)driver;
        js.executeScript("window.scrollTo(0,1000)","");
        WebElement n=driver.findElement(By.id("user-name"));
        n.sendKeys("standard_user");
        WebElement pass=driver.findElement(By.id("password"));
        pass.sendKeys("secret_sauce");
        WebElement login=driver.findElement(By.id("login-button"));
        login.submit();
        WebElement
cart=driver.findElement(By.id("add-to-cart-sauce-labs-bike-light"));
        cart.click();
        Thread.sleep(3000);
        WebElement
cart1=driver.findElement(By.className("shopping_cart_link"));
        cart1.click();
        WebElement checkout=driver.findElement(By.id("checkout"));
        checkout.click();
        Thread.sleep(3000);
        WebElement fn=driver.findElement(By.id("first-name"));
        fn.sendKeys("gopal");
        WebElement ln=driver.findElement(By.id("last-name"));
        ln.sendKeys("gopi");
    }
}
```

```
        WebElement pin=driver.findElement(By.id("postal-code"));
        pin.sendKeys("633376");
        WebElement Con=driver.findElement(By.id("continue"));
        Con.submit();
        WebElement
name=driver.findElement(By.className("inventory_item_name"));
        String t1=name.getText();
        System.out.println(t1);
        WebElement
price=driver.findElement(By.className("inventory_item_price"));
        String t2=price.getText();
        System.out.println(t2);
        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:



```
1 package com.selenium.cia1;
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.testng.Assert;
10
11 import io.github.bonigarcia.wdm.WebDriverManager;
12
13 public class CCQ1 {
14
15     public static void main(String[] args) throws Exception {
16         // Chrome Driver Setup
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         WebElement n=driver.findElement(By.id("user-name"));
29         n.sendKeys("standard_user");
30         WebElement pass=driver.findElement(By.id("password"));
31         pass.sendKeys("secret_sauce");
32     }
33 }
```

terminated> CCQ1 [Java Application] C:\Users\praj\p2\pool\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64.17.0.7.v20230425-1502\jre\bin\java.exe (3 May 2023, 4:30:23 pm - 4:30:23 pm) [pid: 11496]

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 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/56158#936)) on port 47362
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Sauce Labs Bike Light
\$9.99
https://www.saucedemo.com/checkout-step-two.html
Swag Labs

Question 2

Java Code:

```
package com.selenium.cia1;
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 CCQ2 {
    WebDriver driver;
    @Test
    public void filter() 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_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();
```

```

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

```

Output:

The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows the project structure. The main editor displays the code for `CCQ2.java`, which is a Selenium test class. The console at the bottom shows the results of running the class `CCQ2`.

```

package com.selenium.cia1;

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 CCQ2 {
    WebDriver driver;

    @Test
    public void filter() 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();
    }
}

```

```

Results of running class CCQ2
=====
Default test
Tests run: 1, Failures: 0, Skips: 0
=====

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

```