

Q1.)

Code:

```
package cse1;

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 CC1 {

    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("Ricky");
        WebElement ln=driver.findElement(By.id("last-name"));
        ln.sendKeys("V");
        WebElement pin=driver.findElement(By.id("postal-code"));
        pin.sendKeys("638106");
        WebElement Con=driver.findElement(By.id("continue"));
        Con.submit();
        WebElement
        name=driver.findElement(By.className("inventory_item_name"));
```

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        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);
        Thread.sleep(5000);
        driver.quit();

```

Output:

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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 ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@(#936)) on port 20481
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

```

Q2.)

Code:

```
package cse1;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class CC1Q2 {

    public static void main(String[] args) throws Exception {
        WebDriverManager.edgedriver().setup();
        WebDriver driver=new EdgeDriver();
        driver.manage().window().maximize();
        Thread.sleep(3000);
        driver.get("https://www.saucedemo.com/");
        WebElement fn=driver.findElement(By.name("user-name"));
        WebElement ln=driver.findElement(By.name("password"));
        fn.sendKeys("standard_user");
        ln.sendKeys("secret_sauce");
        Thread.sleep(3000);
        driver.findElement(By.xpath("//*[@id=\"login-button\"]")).click();
        driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[1]")).click();
        Thread.sleep(3000);
        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();
        Thread.sleep(3000);
        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[1]")).click();
        WebElement k=driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div"));
        System.out.println("Product Name from A-Z: "+k.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();
        WebElement t=driver.findElement(By.xpath("//*[@id=\"item_3_title_link\"]/div"));
        System.out.println("Product Name from Z-A: "+t.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]")).click();
        Thread.sleep(3000);
        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[4]")).click();
        Thread.sleep(3000);
    }
}
```

```

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]")).click();
WebElement r=driver.findElement(By.xpath("//*[@id=\"item_2_title_link\"]/div"));
System.out.println("Product Price from lower-higher: "+r.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[4]")).click();
WebElement e=driver.findElement(By.xpath("//*[@id=\"item_5_title_link\"]/div"));
System.out.println("Product Price from higher-lower: "+e.getText());

```

Output:

```

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 (e40a520f851f31c19c0c93c4278f5b408ac37d7c) on port 30962
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.
Product Name from A-Z: Sauce Labs Backpack
Product Name from Z-A: Test.allTheThings() T-Shirt (Red)
Product Price from lower-higher: Sauce Labs Onesie
Product Price from higher-lower: Sauce Labs Fleece Jacket

```