

Question 1:

```
package test;

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;

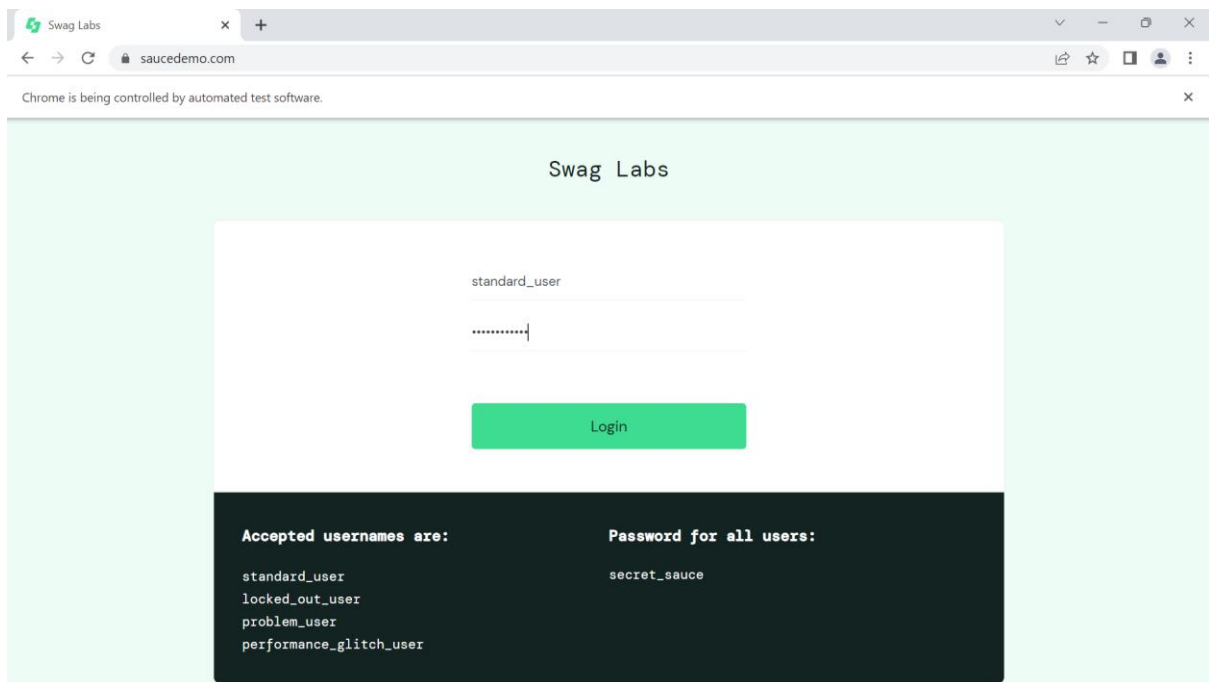
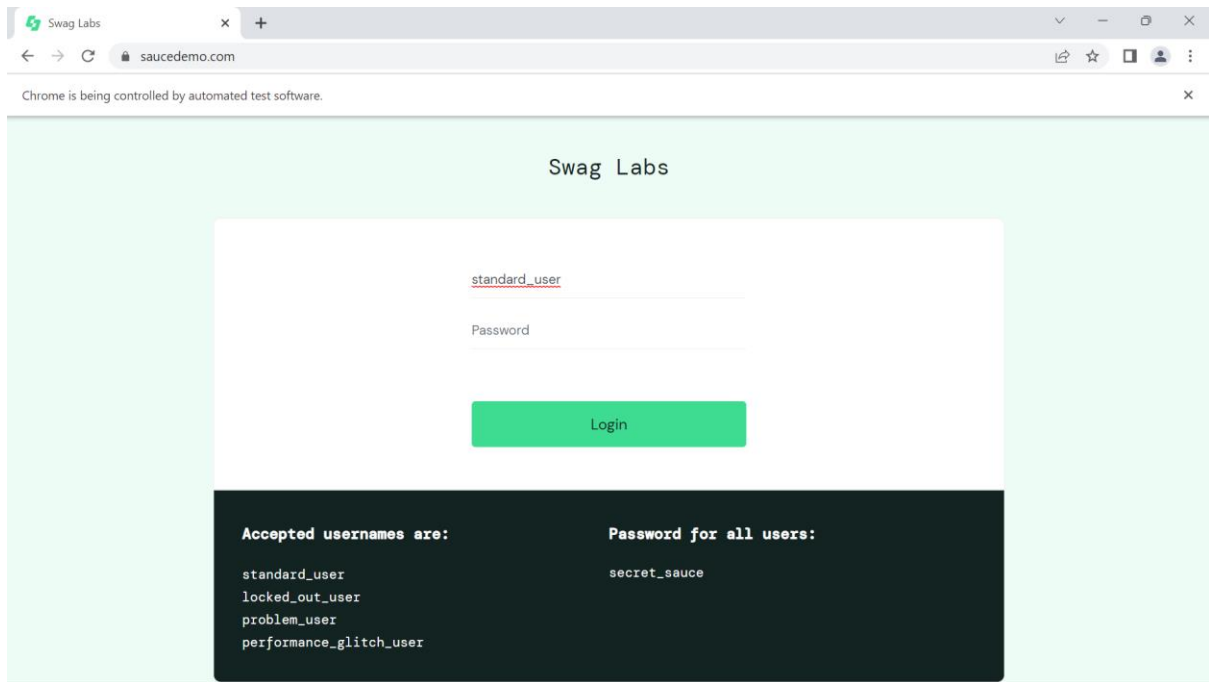
public class Q1 {

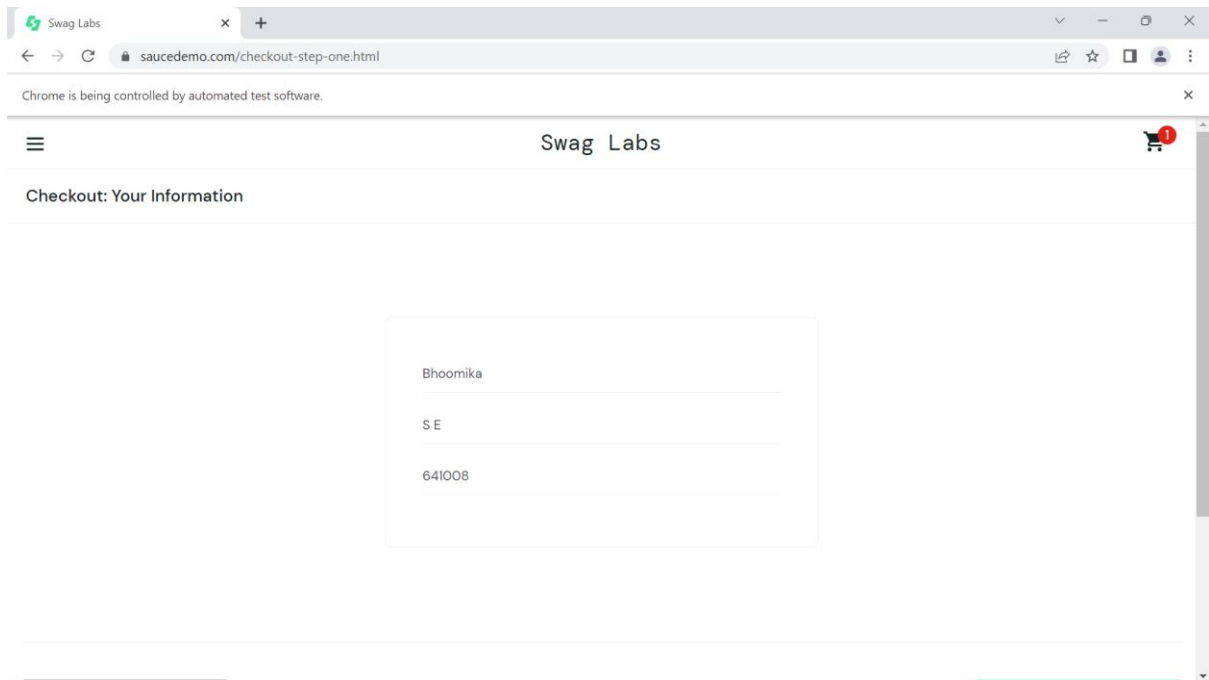
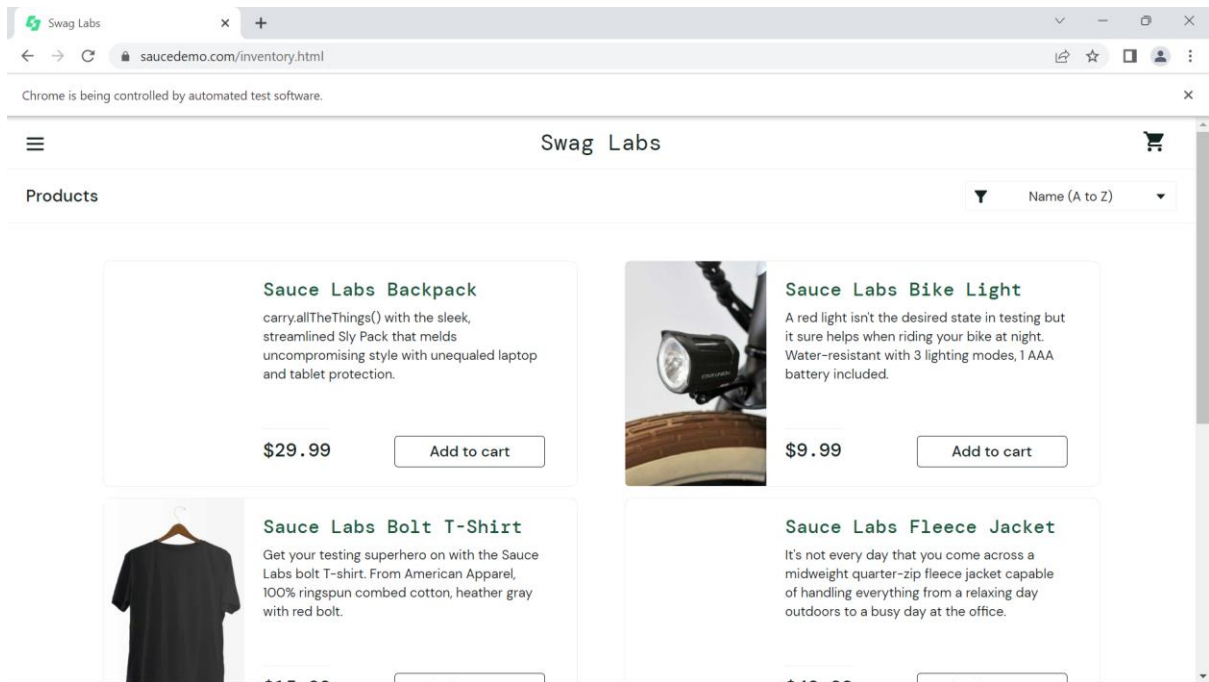
    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.get("https://www.saucedemo.com/");
        driver.manage().window().maximize();
        WebElement Username = driver.findElement(By.id("user-name"));
        Username.sendKeys("standard_user");
        Thread.sleep(3000);
        WebElement Password = driver.findElement(By.id("password"));
        Password.sendKeys("secret_sauce");
        Thread.sleep(3000);
        WebElement Login = driver.findElement(By.id("login-button"));
        Login.click();
        Thread.sleep(3000);
        driver.findElement(By.xpath("//*[@id=\"add-to-cart-sauce-labs-backpack\"]")).click();
        String Cart =
driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[1]/div[3]/a/span")).getText();

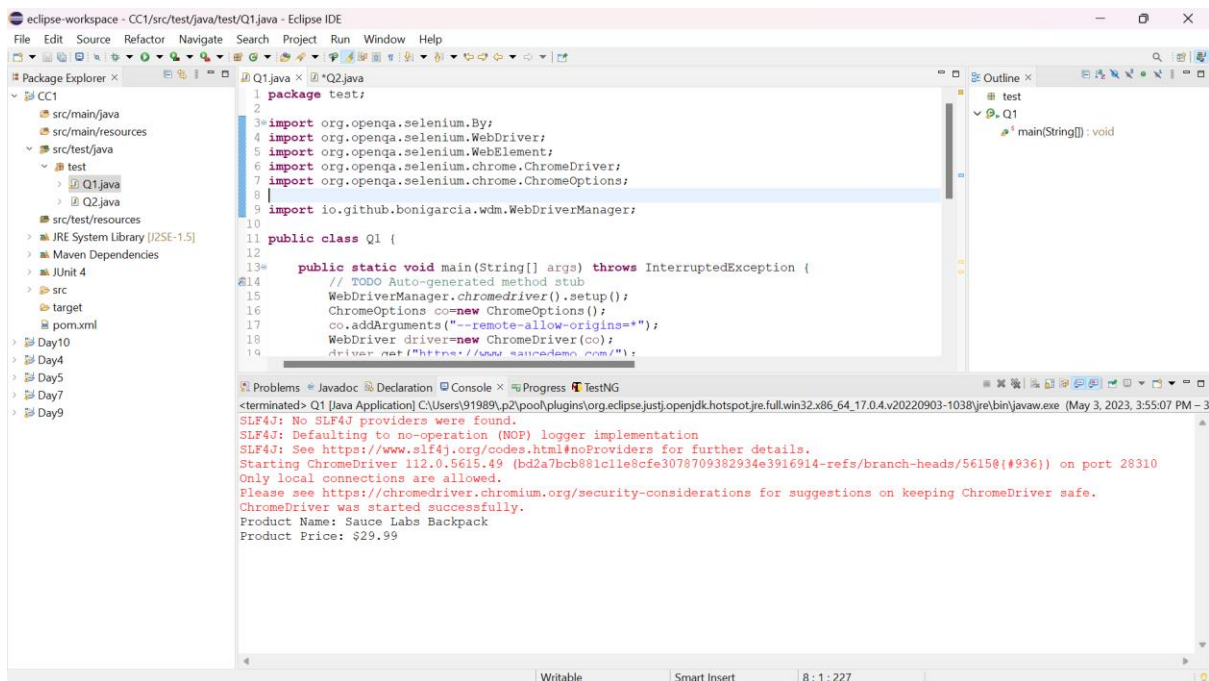
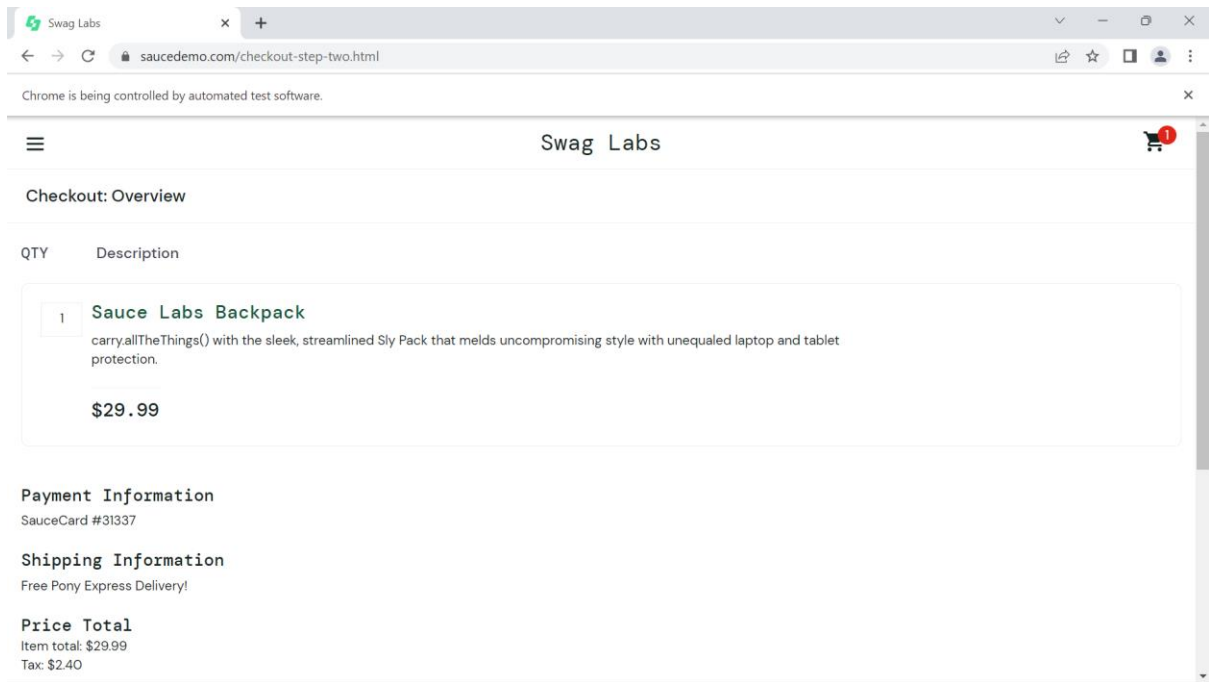
driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[1]/div[3]/a"))).click();
        String ProductName = "Sauce Labs Backpack";
        Thread.sleep(3000);
        driver.findElement(By.xpath("//*[@id=\"checkout\"]")).click();

        driver.findElement(By.xpath("//*[@id=\"first-name\"]")).sendKeys("ABCD");
        driver.findElement(By.xpath("//*[@id=\"last-name\"]")).sendKeys("X");
        driver.findElement(By.xpath("//*[@id=\"postal-code\"]")).sendKeys("12345");
        driver.findElement(By.xpath("//*[@id=\"continue\"]")).click();

        System.out.println("Name of the Product: " +
driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/a/div")).getText());
        System.out.println("Price of the Product: " +
driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/div[2]/div")).getText());
    }
}
```







Question2:

```
package test;
```

```
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 Q2 {
```

```

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.get("https://www.saucedemo.com/");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        WebElement name=driver.findElement(By.xpath("//*[@id=\"user-
name\"]"));
        name.sendKeys("standard_user");
        Thread.sleep(2000);
        WebElement
pwd=driver.findElement(By.xpath("//*[@id=\"password\"]"));
        pwd.sendKeys("secret_sauce");
        Thread.sleep(2000);
        WebElement Login=driver.findElement(By.xpath("//*[@id=\"login-
button\"]"));
        Login.click();
        Thread.sleep(2000);
        WebElement
filter=driver.findElement(By.xpath("//*[@id=\"header_container\"]div[2]div
v/span/select"));
        filter.click();
        Thread.sleep(2000);
        WebElement
filter1=driver.findElement(By.xpath("//*[@id=\"header_container\"]div[2]d
iv/span/select/option[1]"));
        filter1.click();
        Thread.sleep(2000);
        String
atoz=driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]div")).get
Text();
        System.out.println("A to Z First Product Name: "+atoz);
        WebElement
f3=driver.findElement(By.xpath("//*[@id=\"header_container\"]div[2]div/sp
an/select/option[2]"));
        f3.click();
        Thread.sleep(2000);
        String
ztoa=driver.findElement(By.xpath("//*[@id=\"item_3_title_link\"]div")).get
Text();
        System.out.println("Z to A First Product Name: "+ztoa);
        Thread.sleep(1000);
        WebElement
f4=driver.findElement(By.xpath("//*[@id=\"header_container\"]div[2]div/sp
an/select/option[3]"));
        f4.click();
        Thread.sleep(2000);
        String
ltoh=driver.findElement(By.xpath("//*[@id=\"item_2_title_link\"]div")).get
Text();
        System.out.println("Low to High First Product Name: "+ltoh);
        WebElement
f5=driver.findElement(By.xpath("//*[@id=\"header_container\"]div[2]div/sp
an/select/option[4]"));
        f5.click();
        Thread.sleep(2000);

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        String
        htol=driver.findElement(By.xpath("//*[@id=\"item_5_title_link\"]/div")).get
        Text();

        System.out.println("High to Low First Product Name: "+htol);
        Thread.sleep(1000);

    }

}

```

