**Q1:**

**Program:**

package com.selenium.test2.selenium1;

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 CC1i {

public static void main(String[] args){

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();

//driver.get("https://www.amazon.in/dp/B0BXPHJN21/ref=syn\_sd\_onsite\_desktop\_0?ie=UTF8&pd\_rd\_plhdr=t&th=1");

WebElement username = driver.findElement(By.id("user-name"));

WebElement password = driver.findElement(By.id("password"));

username.sendKeys("standard\_user");

password.sendKeys("secret\_sauce");

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

logbtn.click();

WebElement add=driver.findElement(By.xpath("//\*[@id=\"add-to-cart-sauce-labs-backpack\"]"));

add.click();

String added=driver.findElement(By.xpath("//\*[@id=\"remove-sauce-labs-backpack\"]")).getText();

if(added.equals("Remove")){

System.out.println("Added this item");

}

else {

System.out.println("Item is not added");

}

WebElement cart=driver.findElement(By.xpath("//\*[@id=\"shopping\_cart\_container\"]/a"));

cart.click();

String cartcheck=driver.findElement(By.xpath("//\*[@id=\"header\_container\"]/div[2]/span")).getText();

if(cartcheck.equals("Your Cart")) {

System.out.println("Your cart is viewed");

}

WebElement checked=driver.findElement(By.xpath("//\*[@id=\"checkout\"]"));

checked.click();

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

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

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

firstname.sendKeys("PRADEEP");

lastname.sendKeys("B");

pincode.sendKeys("641008");

WebElement fillbtn=driver.findElement(By.xpath("//\*[@id=\"continue\"]"));

fillbtn.click();

String formFilled = driver.findElement(By.xpath("//\*[@id=\"header\_container\"]/div[2]/span")).getText();

if(formFilled.equals("Checkout: Overview")) {

System.out.println("Product overview is displayed");

}else {

System.out.println("Product overview is not displayed");

}

String name = driver.findElement(By.xpath("//\*[@id=\"item\_4\_title\_link\"]/div")).getText();

String price = driver.findElement(By.xpath("//\*[@id=\"checkout\_summary\_container\"]/div/div[1]/div[3]/div[2]/div[2]/div")).getText();

System.out.println("Name : " + name);

System.out.println("Price : " + price);

String title = driver.getTitle();

if(title.equals("Swag Labs")) {

System.out.println("Asserted the title of the page");

}else {

System.out.println("The title of the page is not matching");

}

String url = driver.getCurrentUrl();

if(url.equals("https://www.saucedemo.com/checkout-step-two.html")) {

System.out.println("Asserted the URL of the page");

}else {

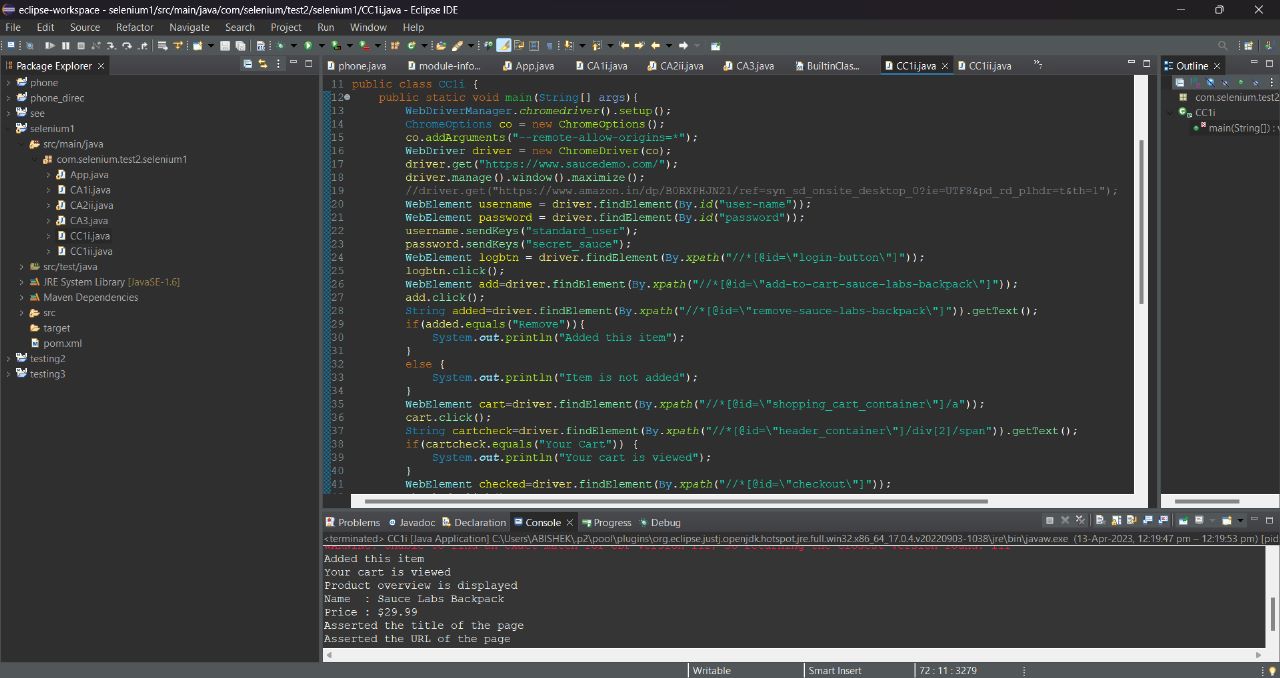
System.out.println("The URL of the page is not matching");

}

}

}

**OUTPUT:**



**Q2:**

**Program:**

package com.selenium.test2.selenium1;

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.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

public class CC1ii {

public static void main(String[] args) throws InterruptedException {

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 sel=driver.findElement(By.id("user-name"));

sel.sendKeys("standard\_user");

WebElement sel2=driver.findElement(By.id("password"));

sel2.sendKeys("secret\_sauce");

WebElement sel3=driver.findElement(By.id("login-button"));

Thread.sleep(4000);

sel3.click();

WebElement sort1=driver.findElement(By.className("product\_sort\_container"));

sort1.click();

Select select= new Select(sort1);

select.selectByVisibleText("Name (A to Z)");

Thread.sleep(4000);

WebElement iden=driver.findElement(By.xpath("//\*[@id=\"header\_container\"]/div[2]/div/span/select/option[1]"));

if(iden.getText().equals("Name (A to Z)")) {

System.out.println("1.Verified that the user is able to apply the filter Name (A to Z)");

}

Thread.sleep(4000);

iden.click();

WebElement name=driver.findElement(By.xpath("//\*[@id=\"item\_4\_title\_link\"]/div"));

System.out.println("First product name while filtering from A-Z :-"+name.getText());

WebElement iden1=driver.findElement(By.xpath("//\*[@id=\"header\_container\"]/div[2]/div/span/select/option[2]"));

if(iden1.getText().equals("Name (Z to A)")) {

System.out.println("2.Verified that the user is able to apply the filter Name (Z to A)");

}

iden1.click();

Thread.sleep(4000);

WebElement name1=driver.findElement(By.xpath("//\*[@id=\"item\_3\_title\_link\"]/div"));

System.out.println("First product name while filtering from Z-A :-"+name1.getText());

WebElement iden2=driver.findElement(By.xpath("//\*[@id=\"header\_container\"]/div[2]/div/span/select/option[3]"));

if(iden2.getText().equals("Price (low to high)")) {

System.out.println("3.Verified that the user is able to apply the filter Price (low to high)");

}

iden2.click();

Thread.sleep(4000);

WebElement name2=driver.findElement(By.xpath("//\*[@id=\"item\_2\_title\_link\"]/div"));

System.out.println("First product name while filtering from Price (low to high) :-"+name2.getText());

WebElement iden3=driver.findElement(By.xpath("//\*[@id=\"header\_container\"]/div[2]/div/span/select/option[4]"));

if(iden3.getText().equals("Price (high to low)")) {

System.out.println("4.Verified that the user is able to apply the filter Price (high to low)");

}

iden3.click();

Thread.sleep(4000);

WebElement name3=driver.findElement(By.xpath("//\*[@id=\"item\_5\_title\_link\"]/div"));

System.out.println("First product name while filtering from Price (high to low) :-"+name3.getText());

}

}

**OUTPUT**

