CC1:

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EXERCISE1:

```java
package com.Test.Cia1;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class Cc_2 {

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

ChromeOptions co=new ChromeOptions();

co.addArguments("--remote-allow-origins=*");

WebDriverManager.chromedriver().setup();

WebDriver driver=new ChromeDriver();

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

//user login

driver.findElement(By.xpath("//*[@id=\"user-name\"]")).click();

driver.findElement(By.xpath("//*[@id=\"user-name\"]")).sendKeys("standard_user
");

driver.findElement(By.xpath("//*[@id=\"password\"]")).click();

driver.findElement(By.xpath("//*[@id=\"password\"]")).sendKeys("secret_sauce")
;

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

//Adding to cart

Thread.sleep(2000);

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

```java
String
num=driver.findElement(By.xpath("//*[@id=\"shopping_cart_container\"]/a/span")
).getText();

if(num.equals("1")){

System.out.println("Item added to cart");

}

//Viewing cart items

Thread.sleep(2000);

driver.findElement(By.xpath("//*[@id=\"shopping_cart_container\"]/a")).click()
;

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

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

System.out.println("User can view contents in cart");

}

//checkout

Thread.sleep(2000);

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

String
ac=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/span")).g
etText();

if(ac.equals("Checkout: Your Information")) {

System.out.println("Your information is displayed");

}

//Filling form

driver.findElement(By.xpath("//*[@id=\"first-name\"]")).click();

driver.findElement(By.xpath("//*[@id=\"first-name\"]")).sendKeys("Sabari");

driver.findElement(By.xpath("//*[@id=\"last-name\"]")).click();

driver.findElement(By.xpath("//*[@id=\"last-name\"]")).sendKeys("Raj");

driver.findElement(By.xpath("//*[@id=\"postal-code\"]")).click();
```

```java
driver.findElement(By.xpath("//*[@id=\"postal-code\"]")).sendKeys("621005");

Thread.sleep(2000);

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

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

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

System.out.println("Overview of the products displayed");

}

//Details of the products

String name=driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div")).getText();

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

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

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

//Asserting the title

String actual=driver.getTitle();

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

System.out.println("Title of the page is asserted");

}

//Asserting the url

String a=driver.getCurrentUrl();

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

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

}

}

}
```

OUTPUT:

```
ChromeDriver was started successfully.
Apr 13, 2023 12:06:11 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 112, so returning the closest version foun
Item added to cart
User can view contents in cart
Your information is displayed
Overview of the products displayed
Name of the product: Sauce Labs Backpack
Price of the product: $29.99
Title of the page is asserted
URL of the page asserted
```

EXERCISE2:

```java
package com.Test.Cia1;

import java.util.List;

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.firefox.FirefoxDriver;

import org.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

/**

 *

 */

public class Cc_1

{

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

{

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();
```

```java
driver.manage().window().maximize();

driver.navigate().to("https://www.saucedemo.com/");

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();

String title=driver.getTitle();

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

        System.out.println("Title Matched");

        System.out.println("Title : "+title);

        System.out.println("URL : "+driver.getCurrentUrl());



}

else {

        System.out.println("Title is MisMatched");

}

WebElement
b=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/s
elect/option[1]"));

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

        System.out.println("Filter can be applied from A-Z");

}

else {

        System.out.println("Filter cannot be applied from A-Z");



}

b=driver.findElement(By.className("inventory_item_name"));

System.out.println("Product A-Z : "+b.getText());

                Thread.sleep(3000);
```

```java
        Select se = new
Select(driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/s
pan/select")));

se.selectByValue("za");

b=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/s
elect/option[2]"));

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

     System.out.println("Filter can be applied from Z-A");

}

else {

     System.out.println("Filter cannot be applied from Z-A");



}

b=driver.findElement(By.className("inventory_item_name"));

System.out.println("Product Z-A : "+b.getText());

Thread.sleep(3000);

Select se1 = new
Select(driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/s
pan/select")));

se1.selectByValue("lohi");

b=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/s
elect/option[3]"));

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

     System.out.println("Filter can be applied from Low-High");

}

else {

     System.out.println("Filter cannot be applied from Low-High");



}

b=driver.findElement(By.className("inventory_item_name"));

System.out.println("Product Low-High : "+b.getText());
```

```java
Thread.sleep(3000);

Select se2 = new
Select(driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")));

se2.selectByValue("hilo");

b=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[4]"));

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

    System.out.println("Filter can be applied from High-Low");

}

else {

    System.out.println("Filter cannot be applied from High-Low");


}

b=driver.findElement(By.className("inventory_item_name"));

System.out.println("Product High-Low : "+b.getText());

}

}
```

OUTPUT:

```
Apr 13, 2023 12:09:47 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 112, so returning the closest version found: 111
Title Matched
Title : Swag Labs
URL : https://www.saucedemo.com/inventory.html
Filter can be applied from A-Z
Product A-Z : Sauce Labs Backpack
Filter can be applied from Z-A
Product Z-A : Test.allTheThings() T-Shirt (Red)
Filter can be applied from  Low-High
Product Low-High : Sauce Labs Onesie
Filter can be applied from High-Low
Product High-Low : Sauce Labs Fleece Jacket
```