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*EXERCISE1:*

**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\"]")).click();**

**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")).getText();**

**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();**

**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")) {**

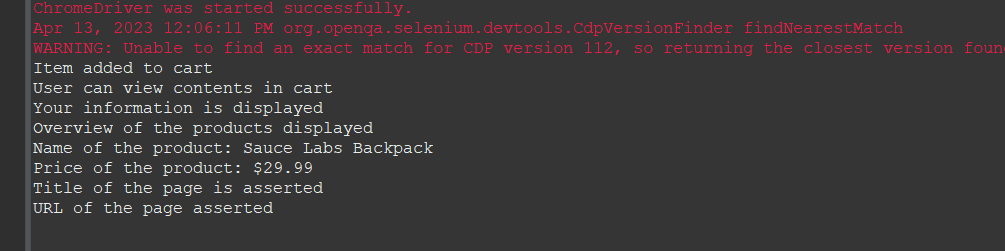
**System.*out*.println("URL of the page asserted");**

**}**

**}**

**}**

**OUTPUT:**

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**EXERCISE2:**

**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();**

**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/select/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);**

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

**se.selectByValue("za");**

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

**se1.selectByValue("lohi");**

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

**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");**

**}**

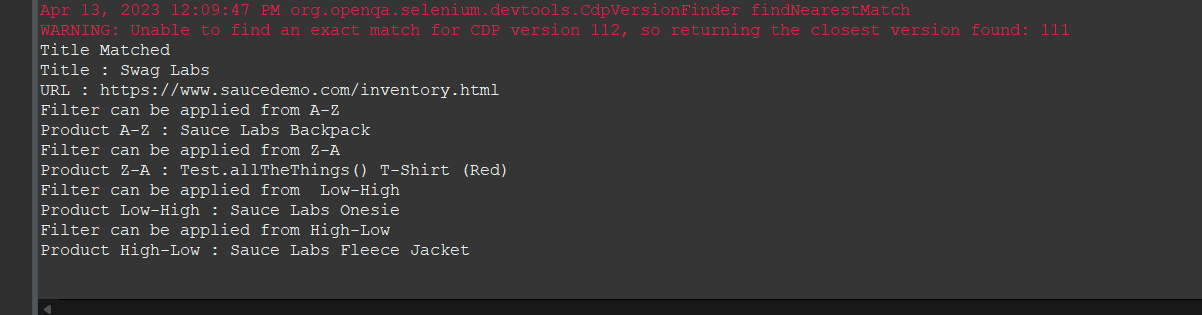
**b=driver.findElement(By.*className*("inventory\_item\_name"));**

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

**}**

**}**

**OUTPUT:**

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