

# Coding Contest 1

1) i)

```
package com.codingcontest;

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;

/**
 * Hello world!
 *
 */
public class App
{
    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/");

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

//user login

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

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

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")).getTe
xt();

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("Tharun");

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

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

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

driver.findElement(By.xpath("//*[@id=\"postal-code\"]")).sendKeys("626101");

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!");

}

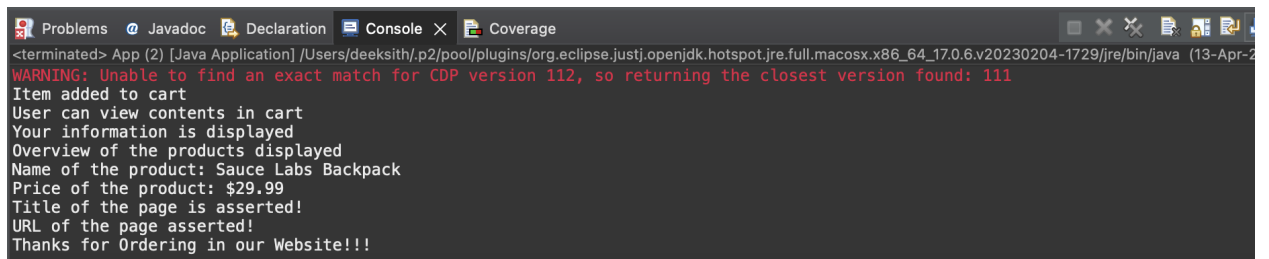
driver.findElement(By.xpath("//*[@id=\"finish\"]")).click();

System.out.print("Thanks for Ordering in our Website!!!");

}

}
```

Output:



```
Problems  Javadoc  Declaration  Console  Coverage
<terminated> App (2) [Java Application] /Users/deeksith/p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (13-Apr-2
WARNING: Unable to find an exact match for CDP version 112, so returning the closest version found: 111
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!
Thanks for Ordering in our Website!!!
```

ii)

```
package com.codingcontest;

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;

/**
 * Hello world!
 *
 */
public class App
{
    public static void main( String[] args ) throws InterruptedException
```

```
{  
  
// System.out.println( "Hello World!" );  
  
// ChromeOptions co=new ChromeOptions();  
  
// co.addArguments ("--remote-allow-origins=*");  
  
// WebDriverManager.chromedriver().setup ();  
  
// WebDriver driver=new ChromeDriver();  
  
// driver.get("https://www.saucedemo.com/");  
  
// driver.manage() .window().maximize() ;  
  
// Thread.sleep(3000);  
  
// 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();  
  
// System.out.println("Login Successfully!!!");  
  
// Thread.sleep(3000);  
  
// driver.findElement(By.xpath("//*[@id=\"add-to-cart-sauce-labs-fleece-jacket\"]")).click();  
  
// System.out.println("Added to the cart successfully!!!");  
  
// Thread.sleep(3000);  
  
// driver.findElement(By.xpath("//*[@id=\"shopping_cart_container\"]/a")).click();  
  
// Thread.sleep(3000);  
  
// driver.findElement(By.xpath("//*[@id=\"checkout\"]")).click();  
  
// driver.findElement(By.xpath("//*[@id=\"first-name\"]")).sendKeys("Tharun");  
  
// driver.findElement(By.xpath("//*[@id=\"last-name\"]")).sendKeys("Deeksith");  
  
// driver.findElement(By.xpath("//*[@id=\"postal-code\"]")).sendKeys("626101");
```

```
// Thread.sleep(3000);

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

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

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();

//Filtering A-Z

System.out.println("First product from A-Z:
"+driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div/div/div[1]/div[2]/div[1]/a/div")).getText());

Thread.sleep(3000);

//Filtering Z-A

driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/div/span/select")).click();

driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/div/span/select/option[2]")).click();
```

```

System.out.println("First product from Z-A:
"+driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div/div/div[1]/div[2]/div[1]/
a/div")).getText());

Thread.sleep(3000);

//Filtering low to high

driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/div/span/select")).click();

driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/div/span/select/option[3]"
)).click();

System.out.println("First product from low to high:
"+driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div/div/div[1]/div[2]/div[1]/
a/div")).getText());

Thread.sleep(3000);

//Filtering high to low

driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/div/span/select")).click();

driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/div/span/select/option[4]"
)).click();

System.out.println("First product from Z-A:
"+driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div/div/div[1]/div[2]/div[1]/
a/div")).getText());

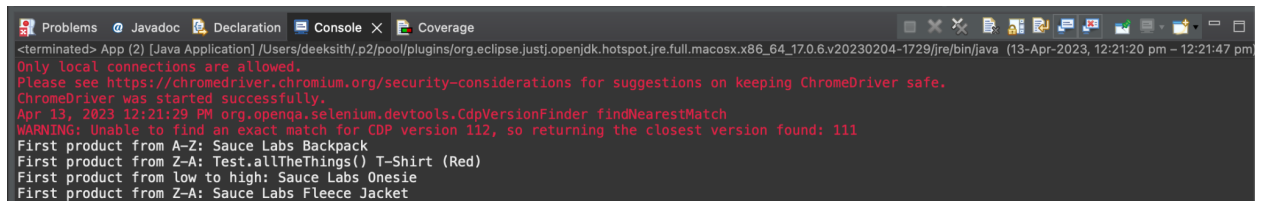
Thread.sleep(3000);

}

}

```

Output:



```

Problems  Javadoc  Declaration  Console  Coverage
<terminated> App (2) [Java Application] /Users/deeksith/.p2/pool/plugins/org.eclipse.justi.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (13-Apr-2023, 12:21:20 pm - 12:21:47 pm)
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Apr 13, 2023 12:21:29 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
First product from A-Z: Sauce Labs Backpack
First product from Z-A: Test.allTheThings() T-Shirt (Red)
First product from low to high: Sauce Labs Onesie
First product from Z-A: Sauce Labs Fleece Jacket

```