**CA-1 Software Testing**

**1)**

**package** com.ca1;

**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** Problem1 {

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

// **TODO** Auto-generated method stub

ChromeOptions co = **new** ChromeOptions();

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

WebDriverManager.*chromedriver*().setup();

WebDriver d = **new** ChromeDriver();

d.get("https://www.amazon.in/");

d.manage().window().maximize();

Thread.*sleep*(3000);

WebElement Signin = d.findElement(By.*xpath*("//\*[@id=\"nav-link-accountList\"]"));

Signin.click();

WebElement NorMail = d.findElement(By.*id*("ap\_email"));

NorMail.click();

NorMail.sendKeys("sanjaybanner@gmail.com");

d.findElement(By.*id*("continue")).click();

Thread.*sleep*(3000);

WebElement pass = d.findElement(By.*id*("ap\_password"));

pass.click();

pass.sendKeys("Abcd@132");

d.findElement(By.*id*("signInSubmit")).click();

Thread.*sleep*(3000);

WebElement pass1 = d.findElement(By.*id*("ap\_password"));

pass1.click();

pass1.sendKeys("Abcd@132");

Thread.*sleep*(12000);

d.findElement(By.*id*("signInSubmit")).click();

Thread.*sleep*(3000);

WebElement search = d.findElement(By.*id*("twotabsearchtextbox"));

search.clear();

search.sendKeys("headphones");

d.findElement(By.*id*("nav-search-submit-button")).click();

Thread.*sleep*(5000);

d.findElement(By.*xpath*("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[3]/div/div/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).click();

Thread.*sleep*(4000);

WebElement Acart = d.findElement(By.*xpath*("//\*[@id=\"a-autoid-21\"]/span/input"));

Acart.click();

Thread.*sleep*(4000);

WebElement Cart = d.findElement(By.*id*("nav-cart-count-container"));

Cart.click();

d.findElement(By.*xpath*("//\*[@id=\"sc-active-C40cec679-472d-4bcf-b263-fe5ffaa6174c\"]/div[4]/div/div[3]/div[1]/span[1]/span/span[1]/span/span/span/span")).click();

Thread.*sleep*(2000);

d.findElement(By.*id*("quantity\_2")).click();

Thread.*sleep*(2000);

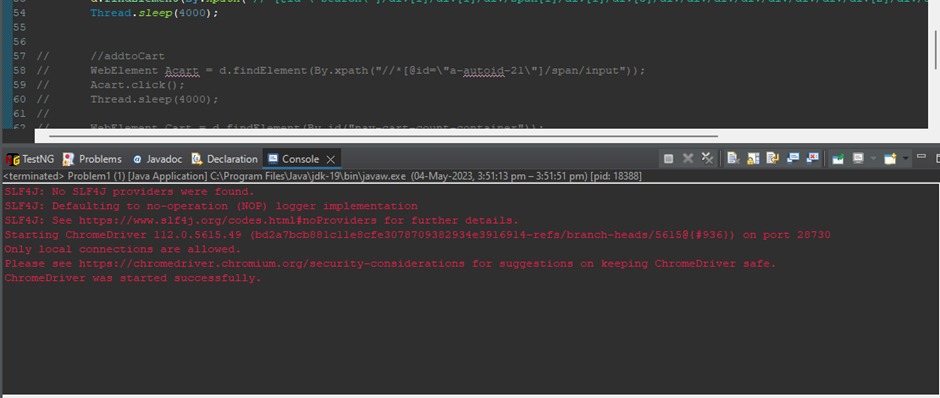
d.findElement(By.*xpath*("//\*[@id=\"sc-buy-box-ptc-button\"]/span/input")).click();

d.close();

}

}

Output:



2)

package com.ca1;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

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 problem2 {

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

// TODO Auto-generated method stub

int productCount = 0;

WebDriverManager.chromedriver().setup();

ChromeOptions co = new ChromeOptions();

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

WebDriver driver = new ChromeDriver(co);

driver.get("https://www.amazon.in/");

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

Thread.sleep(3000);

WebElement Signin = driver.findElement(By.xpath("//\*[@id=\"nav-link-accountList\"]"));

Signin.click();

WebElement NorMail = driver.findElement(By.id("ap\_email"));

NorMail.click();

NorMail.sendKeys("727721eucs145@skcet.ac.in");

driver.findElement(By.id("continue")).click();

Thread.sleep(3000);

WebElement pass = driver.findElement(By.id("ap\_password"));

pass.click();

pass.sendKeys("Sivask$123");

driver.findElement(By.id("signInSubmit")).click();

Thread.sleep(16000);

driver.findElement(By.id("twotabsearchtextbox")).sendKeys("airpods");

driver.findElement(By.id("twotabsearchtextbox")).sendKeys(Keys.ENTER);

List<WebElement> tiltleElements = driver

.findElements(By.xpath("//h2[@class='a-size-mini a-spacing-none a-color-base s-line-clamp-2']"));

for (WebElement titleElement : tiltleElements) {

System.out.println(titleElement.getText());

productCount++;

if (productCount == 5) {

break;

}

}

WebElement sort = driver.findElement(By.xpath("//\*[@id=\"a-autoid-0-announce\"]"));

sort.click();

System.out.println("Applied Filter!");

WebElement lhfilter = driver.findElement(By.xpath("//\*[@id=\"s-result-sort-select\_1\"]"));

lhfilter.click();

System.out.println("Applied Filter based on Price");

sort.click();

WebElement reviewfilter = driver.findElement(By.xpath("//\*[@id=\"s-result-sort-select\_3\"]"));

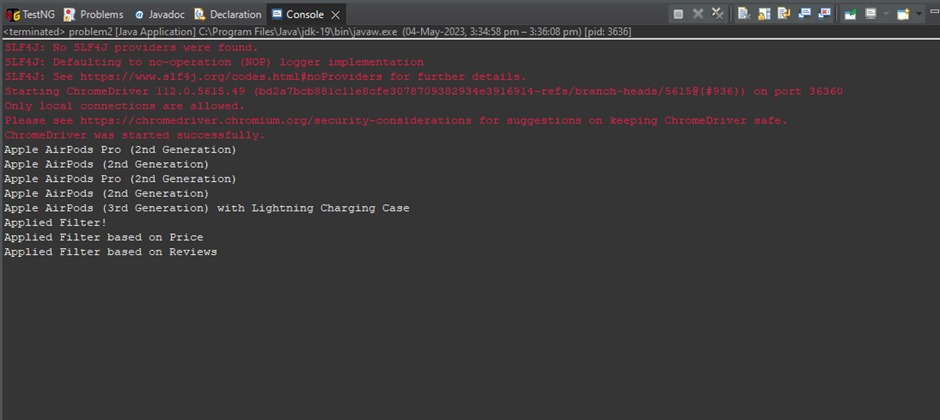
reviewfilter.click();

System.out.println("Applied Filter based on Reviews");

}

}

Output:



3)

package com.testcase;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

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 App2 {

public static void main( String[] args ){

ChromeOptions co=new ChromeOptions();

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

WebDriverManager.chromedriver().setup();

WebDriver driver=new ChromeDriver();

driver.get("https://www.amazon.in/ap/signin?openid.pape.max\_auth\_age=0& openid.return\_to=https%3A%2F%2Fwww.amazon.in%2F%3Fref\_%3Dnav\_ya\_s ignin&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fi dentiﬁer\_select&openid.assoc\_handle=inﬂex&openid.mode=checkid\_setup& openid.claimed\_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fide ntiﬁer\_select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0&"

);

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

driver.ﬁndElement(By.xpath("//\*[@id=\"ap\_email\"]")).sendKeys("6382023425");

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

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

driver.ﬁndElement(By.xpath("//\*[@id=\"ap\_password\"]")).sendKeys("deeksith 28");

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

driver.ﬁndElement(By.xpath("//[@id=\"nav-link-accountList\"]")).click();

WebElement acc=driver.ﬁndElement(By.xpath("//\*[@id=\"a-page\"]/div[2]/div/div[1]/h1"));

String actual=acc.getText();

String expected="Your Account";

if(actual.equals(expected)) {

System.out.println("Your Account page is displayed");

}

driver.ﬁndElement(By.xpath("//\*[@id=\"a-page\"]/div[2]/div/div[2]/div[1]/a/div")). click();

WebElement ord=driver.ﬁndElement(By.xpath("//\*[@id=\"a-page\"]/section/div[1]/div[2]/div[1

]/h1"));

String act=ord.getText(); String exp="Your Orders"; if(act.equals(exp)) {

System.out.println("Your Order page is displayed");

}

String act1=ord.getText();

String exp1="Your orders";

if(act.equals(exp)) {

System.out.println("User is able to track package");

}

System.out.println("User is able to view their products");

}

}

Output:

