

CA-1

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QUESTION 1:

TASK 1:

Coding:

```
package com.demo.CA1;

package com.testcase;
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 q1t1 {
    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.amazon.in/");
        Thread.sleep(2000);
        driver.manage().window().maximize();
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("Nike
Jordan");

        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
        Thread.sleep(2000);
        driver.navigate().to(
            "https://www.amazon.in/Jordan-MAX-Aura-4-DN3687-104-11-White-
Black/dp/BoBWDJS6H1/ref=sr_1_2?crd=3LP43LEQV48AX&keywords=nike+jordan&qid=1683189508&sprefix
=nike+jord%2Caps%2C656&sr=8-2");
        driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
        WebElement cart = driver.findElement(By.xpath("//*[@id=\"nav-cart-count\"]"));
        if (cart.getText().equals("1")) {
            System.out.print("Added to cart is working successfully");
        } else {
            System.out.print("Added to cart is not working successfully");
        }
    }
}
```

```
}
}
```

OUTPUT:

The screenshot shows an IDE with a Java Selenium test script and its output in the console. The script is located in the file `q1t1.java` and is as follows:

```
1 package com.demo.CA1;
2
3 //package com.testcase;
4 import org.openqa.selenium.By;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8 import org.openqa.selenium.chrome.ChromeOptions;
9 import io.github.bonigarcia.wdm.WebDriverManager;
10
11
12 public class q1t1 {
13     public static void main(String[] args) throws InterruptedException {
14         ChromeOptions co = new ChromeOptions();
15         co.addArguments("--remote-allow-origins=*");
16         WebDriverManager.chromedriver().setup();
17         WebDriver driver = new ChromeDriver();
18         driver.get("https://www.amazon.in/");
19         Thread.sleep(2000);
20         driver.manage().window().maximize();
21         driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();
22         driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("Nike Jordan");
23         driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
24         Thread.sleep(2000);
25         driver.navigate().to(
26             "https://www.amazon.in/Jordan-MAX-Aura-4-DW3687-104-11-White-Black/dp/B08WDJ96H1/ref=cm_cr_btdp_csi?pf_rd_p=8d1e9113-131d-4e43-b08d-367281424511");
27         driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
28         WebElement cart = driver.findElement(By.xpath("//*[@id=\"nav-cart-count\"]"));
29         if (cart.getText().equals("1")) {
30             System.out.println("Added to cart is working successfully");
31         } else {
32             System.out.println("Added to cart is not working successfully");
33         }
34     }
35 }
```

The console output shows the following messages:

```
terminated: q1t1 [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (04-May-2023 2:10:56 pm - 2:11:39 pm) [pid: 11212]
Connecting to host 127.0.0.1 on port 9222. Test session ID is 8d1e9113-131d-4e43-b08d-367281424511 on port 42164
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping Chromedriver safe.
Chromedriver was started successfully.
May 04, 2023 2:11:39 PM org.openqa.selenium.devtools.cdpversionfinder.FindNearestMatch
WARNING: Unable to find an exact match for CDP version 111, so returning the closest version found: 112
Added to cart is working successfully
```

TASK 2:

Coding:

```
package com.demo.CA1;

//package com.testcase;
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 q1t2 {
    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.amazon.in/");
Thread.sleep(2000);

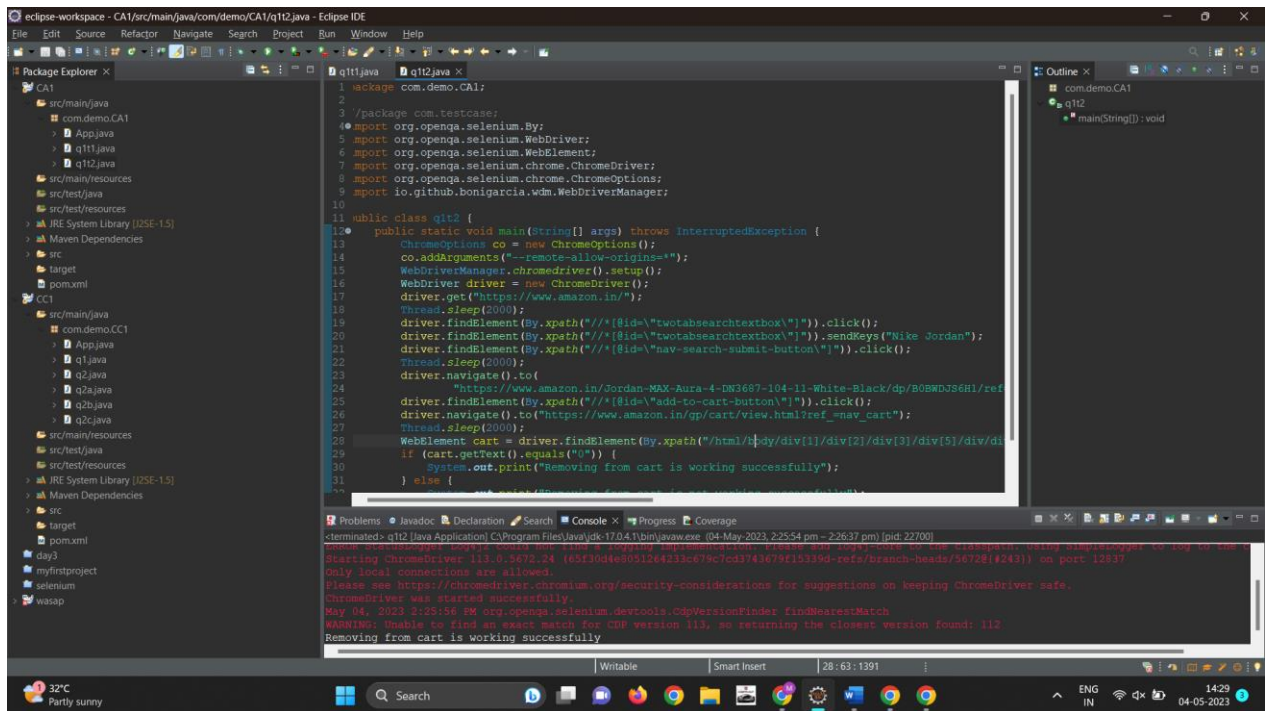
driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();

driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("Nike Jordan");
driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
Thread.sleep(2000);
driver.navigate().to(
    "https://www.amazon.in/Jordan-MAX-Aura-4-DN3687-104-11-White-Black/dp/B0BWDJS6H1/ref=sr_1_2?crd=21HLCWWXTP474&keywords=nike%2Bjordan&qid=1683190647&srefix=nike%2Bjorda%2Caps%2C404&sr=8-2&th=1&psc=1");
driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();

driver.navigate().to("https://www.amazon.in/gp/cart/view.html?ref_nav_cart");
Thread.sleep(2000);
WebElement cart =
driver.findElement(By.xpath("/html/body/div[1]/div[2]/div[3]/div[5]/div/div[2]/div[1]/div/form/div[2]/div[3]/div[4]/div/div[2]/div[1]/span[1]/span/span[1]/span/span/span/span[2]"));
if (cart.getText().equals("0")) {
    System.out.print("Removing from cart is working successfully");
} else {
    System.out.print("Removing from cart is not working successfully");
}
}
}

```

OUTPUT:



TASK 3:

Coding:

```
package com.demo.CA1;
```

```
//package com.testcase;
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 q1t3 {
    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.amazon.in/");
        Thread.sleep(2000);

        driver.findElement(By.xpath("//div[@id='twotabsearchtextbox']")).click();

        driver.findElement(By.xpath("//div[@id='twotabsearchtextbox']")).sendKeys("Nike Jordan");
        driver.findElement(By.xpath("//div[@id='nav-search-submit-button']")).click();
    }
}
```

```

        Thread.sleep(2000);
        driver.navigate().to(
            "https://www.amazon.in/Jordan-MAX-Aura-4-DN3687-
104-11-White-
Black/dp/B0BWDJS6H1/ref=sr_1_2?crd=2J0Q4CME0AP0T&keywords=nike+jordan&qid=
1683191212&sprefix=nike+jord%2Caps%2C678&sr=8-2");
        driver.findElement(By.xpath("//*[@id=\"add-to-cart-
button\"]")).click();

        driver.navigate().to("https://www.amazon.in/gp/cart/view.html?ref_=na
v_cart");
        driver.findElement(By.xpath("//*[@id=\"a-autoid-
0\"]")).click();

        driver.findElement(By.xpath("//*[@id=\"quantity_2\"]")).click();
        Thread.sleep(2000);
        WebElement cart = driver.findElement(By.xpath("//*[@id=\"nav-
cart-count\"]"));
        if (cart.getText().equals("2")) {
            System.out.print("Updating cart is working
successfully");
        } else {
            System.out.print("Updating cart is not working
successfully");
        }
    }
}

```

OUTPUT:

The screenshot shows the Eclipse IDE with a Java Selenium script in the main editor and its output in the console. The script is a public class named `q13` with a `main` method. It uses Selenium WebDriver to interact with an Amazon India page. The script performs the following actions:

- Imports `org.openqa.selenium.chrome.ChromeOptions` and `io.github.bonigarcia.wdm.WebDriverManager`.
- Creates a `ChromeOptions` object and sets `--remote-allow-origins=*"`.
- Initializes the `WebDriver` driver using `WebDriverManager`.
- Navigates to the URL: `https://www.amazon.in/Jordan-MAX-Aura-4-DN3687-104-11-White-Black/dp/B0BWDJS6H1/ref=sr_1_2?crd=2J0Q4CME0AP0T&keywords=nike+jordan&qid=1683191212&sprefix=nike+jord%2Caps%2C678&sr=8-2"`.
- Clicks on the search button with ID `twotabsearchtextbox` and sends keys `Nike Jordan`.
- Clicks on the search submit button with ID `nav-search-submit-button`.
- Navigates to the cart page: `https://www.amazon.in/gp/cart/view.html?ref_=nav_cart`.
- Clicks on the cart item with ID `a-autoid-0`.
- Clicks on the quantity input field with ID `quantity_2`.
- Sleeps for 2000ms.
- Finds the cart count element with ID `nav-cart-count`.
- Checks if the cart count is `2`. If true, it prints `Updating cart is working successfully`. If false, it prints `Updating cart is not working successfully`.

The console output shows the following messages:

```

terminated: q13 [Java Application] C:\Program Files\Java\jdk-17.0.4\bin\javaw.exe (34-May-2023 2:34:20 pm - 2:36:26 pm) [pid: 14180]
WARNING: Unable to find an exact match for CDP version 111, so returning the closest version found: 112
Updating cart is working successfully

```

TASK 4:

Coding:

```
package com.demo.CA1;

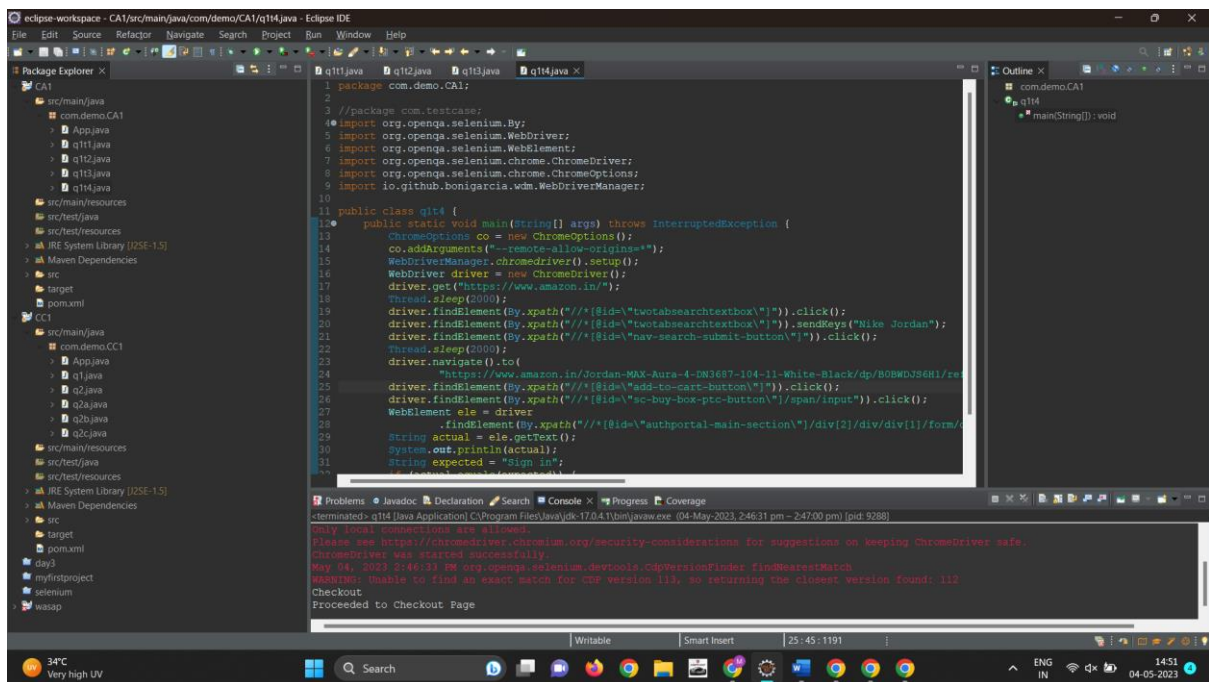
//package com.testcase;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;

public class q1t4 {
    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.amazon.in/");
        Thread.sleep(2000);

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

        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("Nike Jordan");
        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
        Thread.sleep(2000);
        driver.navigate().to(
            "https://www.amazon.in/Jordan-MAX-Aura-4-DN3687-104-11-White-Black/dp/B0BWDJS6H1/ref=sr_1_2?crid=2J0Q4CME0AP0T&keywords=nike%2Bjordan&qid=1683191212&srefix=nike%2Bjord%2Caps%2C678&sr=8-2&th=1&psc=1");
        driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
        driver.findElement(By.xpath("//*[@id=\"sc-buy-box-ptc-button\"]//span/input")).click();
        WebElement ele = driver
            .findElement(By.xpath("//*[@id=\"authportal-main-section\"]//div[2]/div/div[1]/form/div/div/div/h1"));
        String actual = ele.getText();
        System.out.println(actual);
        String expected = "Sign in";
        if (actual.equals(expected)) {
            System.out.print("Proceeded to Checkout Page");
        }
    }
}
```

OUTPUT:



TASK 5:

Coding:

```
package com.demo.CA1;

//package com.testcase;
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 q1t2 {
    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.amazon.in/");
        Thread.sleep(2000);

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

        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("Nike Jordan");
        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
        Thread.sleep(2000);
    }
}
```


OUTPUT:



QUESTION 2:

TASK 1:

Coding:

```
package com.demo.CA1;

//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 q2t1 {
    public static void main(String[] args) {
        ChromeOptions co = new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();// setting up chrome driver
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.amazon.in");

        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("F
OOTBALL");

        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys(Ke
ys.ENTER);

        String a = driver.getTitle();
        if (a.equals("Amazon.in : FOOTBALL")) {
            System.out.println("Title is Matched\n");
        } else {
            System.out.println("Title is Mismatched");
        }
        List li = driver.findElements(By.className("s-line-clamp-
4"));
        for (int i = 0; i < 5; i++) {
            System.out.println(li.get(i).getText());
        }

        driver.findElement(By.xpath("//*[@id=\"p_36/1318505031\"]/span/a/span")).cli
ck();

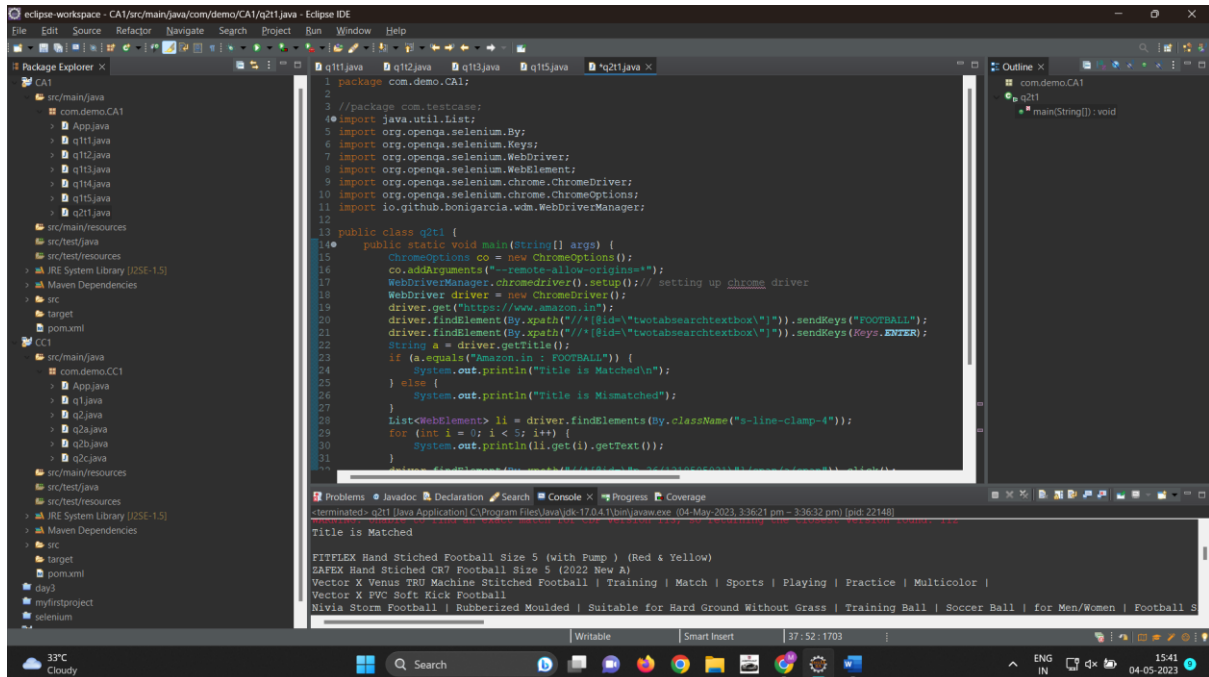
        WebElement b = driver.findElement(By.xpath(

            "//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[2]/div/div/div/div
/div/div/div/div[2]/div/div/div[3]/div[1]/div/div[1]/div[2]/a/span[1]/span[2]/span[
2]"));

        System.out.print("Price 2,000-10,000 : " + b.getText());
        driver.findElement(By.xpath("//*[@id=\"p_89/Vector
X\"]/span/a/div/label/i")).click();
        WebElement c = driver.findElement(By.xpath(

            "//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[2]/div/div/div/div
/div/div[2]/div/div/div[1]/h2/a/span"));
        System.out.print("Price 2,000-10,000 & Vector X: " + c.getText());
    }
}
```

OUTPUT:



QUESTION 3:

```
package com.demo.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 q3 {
```

```
    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");
```

```
        // Click on the "Sign in" link
        driver.findElement(By.id("nav-link-accountList-nav-line-1")).click();
```

```
        // Enter email or phone number
```

```

driver.findElement(By.id("ap_email")).sendKeys("smdrayhan2002@gmail.c
om");

    // Click on the "Continue" button
    driver.findElement(By.id("continue")).click();

    // Enter password

driver.findElement(By.id("ap_password")).sendKeys("rayhan675445");

    // Click on the "Sign in" button
    driver.findElement(By.id("signInSubmit")).click();

    // Click on "Accounts & Lists" link
    WebElement accountsLink = driver.findElement(By.id("nav-link-
accountList"));
    accountsLink.click();

    // Verify that "Your account" page is displayed
    WebElement yourAccountPage =
driver.findElement(By.xpath("//h1[text()='Your Account']"));
    if (yourAccountPage.isDisplayed()) {
        System.out.println("Your account page is displayed.");
    } else {
        System.out.println("Your account page is not displayed.");
    }

    // Click on "Your orders" link
    WebElement yourOrdersLink =
driver.findElement(By.xpath("//span[text()='Your Orders']"));
    yourOrdersLink.click();

    // Verify that user is able to view orders
    WebElement orderPage =
driver.findElement(By.xpath("//h1[text()='Your Orders']"));
    if (orderPage.isDisplayed()) {
        System.out.println("User is able to view orders.");
    } else {
        System.out.println("User is not able to view orders.");
    }

    // Click on "Track Package" button
    WebElement trackPackageBtn =
driver.findElement(By.xpath("//a[text()='Track Package']"));
    trackPackageBtn.click();

    // Verify that user is able to track package
    WebElement trackPackagePage =
driver.findElement(By.xpath("//h1[text()='Track Your Package']"));
    if (trackPackagePage.isDisplayed()) {
        System.out.println("User is able to track package.");
    } else {
        System.out.println("User is not able to track package.");
    }

    // Click on "Cancel items" link
    WebElement cancelItemsLink =
driver.findElement(By.xpath("//a[text()='Cancel Items']"));
    cancelItemsLink.click();

```

```

        // Verify that user is able to cancel items
        WebElement cancelItemsPage =
driver.findElement(By.xpath("//h1[text()='Cancel Items or Orders']"));
        if (cancelItemsPage.isDisplayed()) {
            System.out.println("User is able to cancel items.");
        } else {
            System.out.println("User is not able to cancel items.");
        }

        // Click on "View order details" button
        WebElement viewOrderDetailsBtn =
driver.findElement(By.xpath("//a[text()='View order details']"));
        viewOrderDetailsBtn.click();

        // Verify that user is able to view order summary
        WebElement orderSummaryPage =
driver.findElement(By.xpath("//h1[text()='Order Details']"));
        if (orderSummaryPage.isDisplayed()) {
            System.out.println("User is able to view order summary.");
        } else {
            System.out.println("User is not able to view order summary.");
        }

        // Quit browser
        driver.quit();
    }
}

```

OUTPUT:

