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CA1

1) i)Coding:

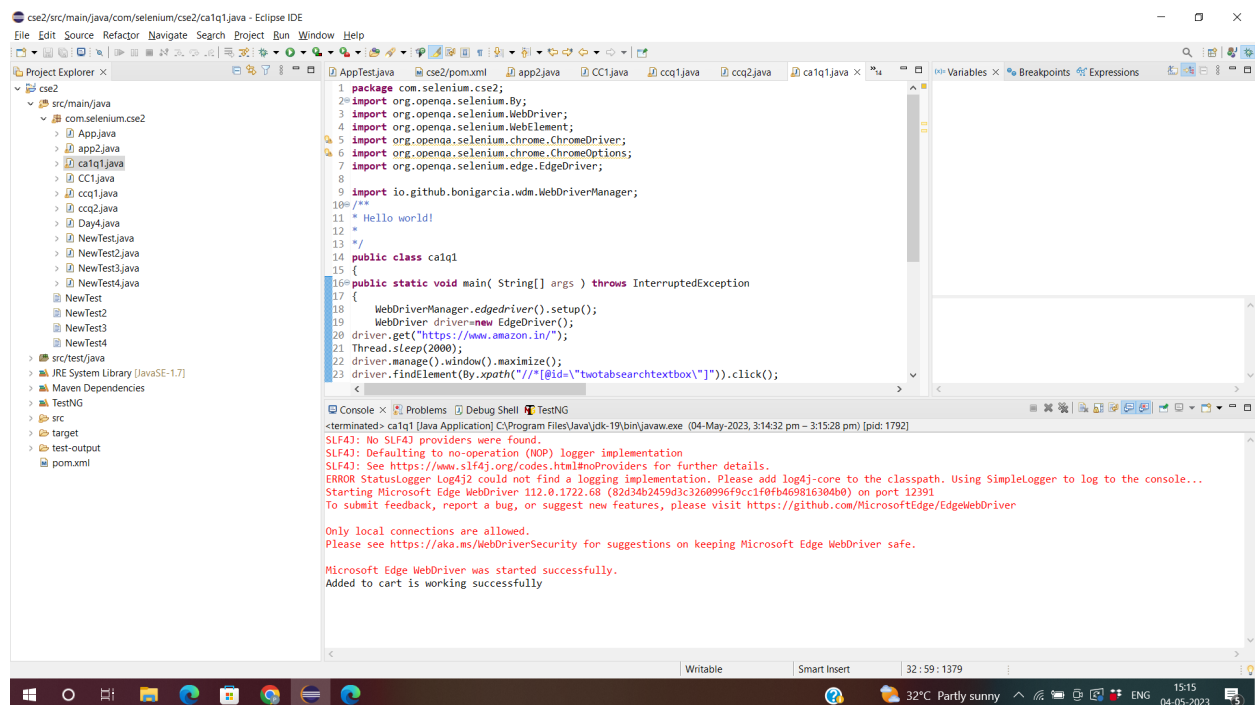
```
package com.selenium.cse2;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
/**
 * Hello world!
 */
public class ca1q1
{
    public static void main( String[] args ) throws InterruptedException
    {
        WebDriverManager.edgedriver().setup();
        WebDriver driver=new EdgeDriver();
        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("hp laptop");
        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
        Thread.sleep(2000);
        driver.navigate().to("https://www.amazon.in/HP-i3-1115G4-Anti-Glare-Graphics-15s-fq2717TU/dp/B0BQN13LTQ/ref=sr_1_4?crd=1E22Y0OT2TRX2&keywords=hp+laptop&qid=1683193764&sprefix=hp+laptop%2C%2C1964&sr=8-4");
        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:



1)ii)

Coding:

```

package com.selenium.cse2;

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 org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;

public class ca1q1_2 {
    public static void main(String[] args) throws InterruptedException {
        WebDriverManager.edgedriver().setup();
        WebDriver driver=new EdgeDriver();
    }
}

```

```

driver.get("https://www.amazon.in/");
Thread.sleep(2000);
driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();
driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil watches");
driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
Thread.sleep(2000);

```

```

driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-SnapdragonSmartphone-Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ&keywords=fossil+watches&qid=1681295284&sprefix=fossil+watche%2Caps%2C405&sr=8-25") ;

```

```

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/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:

The screenshot shows the Eclipse IDE with a Java project named 'cse2'. The code in the editor is a Selenium test script. The console output shows the following messages:

```

SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleLogger to log to the console...
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 37037
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Removing from cart is working successfully

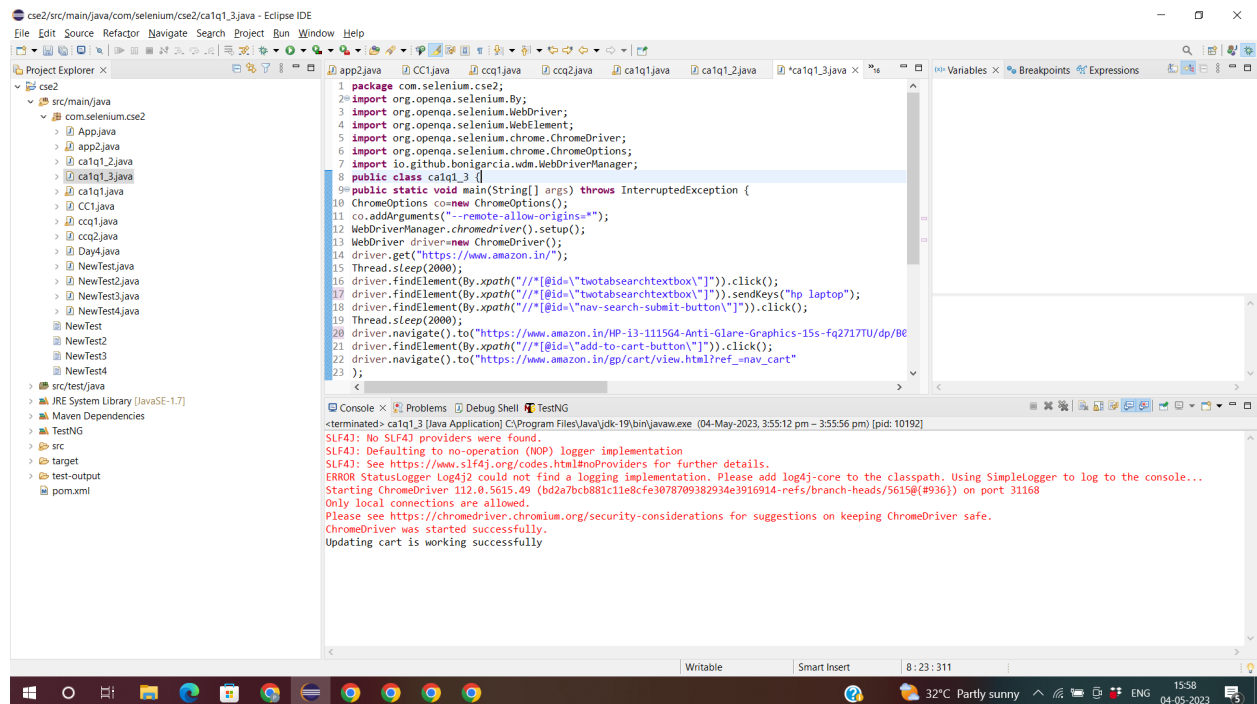
```

1)iii)

Coding:

```
package com.selenium.cse2;
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 ca1q1_3 {
    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("hp laptop");
        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
        Thread.sleep(2000);
        driver.navigate().to("https://www.amazon.in/HP-i3-1115G4-Anti-Glare-Graphics-15s-fq2717TU/dp/B0BQN13LTQ/ref=sr_1_4?crid=1E22Y0OT2TRX2&keywords=hp+laptop&qid=1683193764&srefix=hp+lap%2Caps%2C1964&sr=8-4") ;
        driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
        driver.navigate().to("https://www.amazon.in/gp/cart/view.html?ref_=nav_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:



```
1 package com.selenium.cse2;
2 import org.openqa.selenium.By;
3 import org.openqa.selenium.WebDriver;
4 import org.openqa.selenium.WebElement;
5 import org.openqa.selenium.chrome.ChromeDriver;
6 import org.openqa.selenium.chrome.ChromeOptions;
7 import io.github.bonigarcia.wdm.WebDriverManager;
8 public class ca1q1_3 {
9     public static void main(String[] args) throws InterruptedException {
10         ChromeOptions co=new ChromeOptions();
11         co.addArguments("--remote-allow-origins=*");
12         WebDriverManager.chromedriver().setup();
13         WebDriver driver=new ChromeDriver();
14         driver.get("https://www.amazon.in/");
15         Thread.sleep(2000);
16         driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();
17         driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("hp laptop");
18         driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
19         Thread.sleep(2000);
20         driver.navigate().to("https://www.amazon.in/HP-13-111564-Anti-Glare-Graphics-15s-fq2717TU/dp/B0");
21         driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
22         driver.navigate().to("https://www.amazon.in/gp/cart/view.html?ref=_nav_cart");
23     }
24 }
```

<terminated> ca1q1_3 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (04-May-2023, 3:55:12 pm - 3:55:56 pm) [pid: 10192]

SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See <https://www.slf4j.org/codes.html#noProviders> for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SimpleLogger to log to the console...
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 31168
Only local connections are allowed.
Please see <https://chromedriver.chromium.org/security-considerations> for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Updating cart is working successfully

1)iv and v)

Coding:

```
package com.selenium.day3.ex1;
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 ca1 {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        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();
String title=driver.getTitle();
System.out.println("title:"+title);
String htitle="Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in";
if(title.equals(htitle)) {
System.out.println("sucess");
}
else {
System.out.println("failed");
}
driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();
driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil watches");
driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click(); //Thread.sleep(2000);
driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-Snapdragon
Smartphone-Notifications/dp/B09DGS966L/ref=sr_1_25?crd=2LOQNXJII74SZ
&keywords=fossil+watches&qid=1681295284&srefix=fossil+watche%2Caps%2 C405&sr=8-25");
driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
driver.navigate().to("https://www.amazon.in/gp/cart/view.html?ref_=nav_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("checkout is working successfully and the cost details are correct");
}
else {
System.out.print("checkout working is unsuccessful , therefore cost details are not displayed");
}
}
}
}

```

Output:

```

<terminated> ca1 [Java Application] C:\Users\Niranjanee\Downloads\eclipse-jee-2022-12-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/56150{#936}
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDrive
ChromeDriver was started successfully.
title:Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
sucess
checkout is working successfully and the cost details are correct

```

2)

Coding:

```

package com.selenium.cse2;
import java.util.List;
//import org.apache.xmlbeans.impl.xb.xsdschema.ListDocument.List;
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 ca1q1_2 {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        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();
        String title=driver.getTitle();
        System.out.println("title:"+title);
        String htitle="Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in";
        if(title.equals(htitle)) {
            System.out.println("sucess");
        }
        else {
            System.out.println("failed");
        }
        List<WebElement> li=driver.findElements(By.className("s-line-clamp-2")); 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")).click ();
        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/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/Samsung\"]/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/div/div/div[2]/div/div/div[1]/h2/a/span"));
        System.out.print("Price 2,000-10,000 & Puma: "+ c.getText());
    }
}

```

Output:

```

Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver
ChromeDriver was started successfully.
title:Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
sucess

```

```
T-Shirt1  
T-Shirt2  
T-Shirt3  
Shirt1  
T-Shirt4  
Shirt4  
Shirt3
```

3)

Coding:

```
package com.selenium.day3.ex1;  
import java.util.List;  
//import org.apache.xmlbeans.impl.xb.xsdschema.ListDocument.List;  
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 ca3 {  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        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();  
        String title=driver.getTitle();  
        System.out.println("title:"+title);  
        String htitle="Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More -  
        Amazon.in";  
        if(title.equals(htitle)) {  
            System.out.println("sucess");  
        }  
        else {  
            System.out.println("failed");  
        }  
        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");
}
//
driver.findElement(By.xpath("//*[@id=\"a-page\"]/div[2]/div/div[2]/div[1]/a/div")).click();
WebElement trac=driver.findElement(By.xpath("//*[@id=\"a-page\"]/section/div[1]/div[2]/div[1]/h1"));
String act1=ord.getText();
String exp1="Your orders";
if(act.equals(exp)) {
    System.out.println("User is able to track package");
}
//
driver.findElement(By.xpath("//*[@id=\"pop\"]/div/div[2]/div/div[1]/div/div[3]/div/div/div/div/div[2]/div/div/a")).click();
System.out.println("User is able to view their products");
}
}

```

Output:

```

<terminated> ca1 [Java Application] C:\Users\Niranjanee\Downloads\eclipse-jee-2022-12-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64
SLE4U: See https://www.slf4j.org/codes.html#noProviders for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using Sir
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/56150{#936}) on port
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
title:Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
sucess
Your Account page is displayed
Your Order page is displayed
User is able to track package
User is able to view their products

```