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CA1

1) i)Coding:

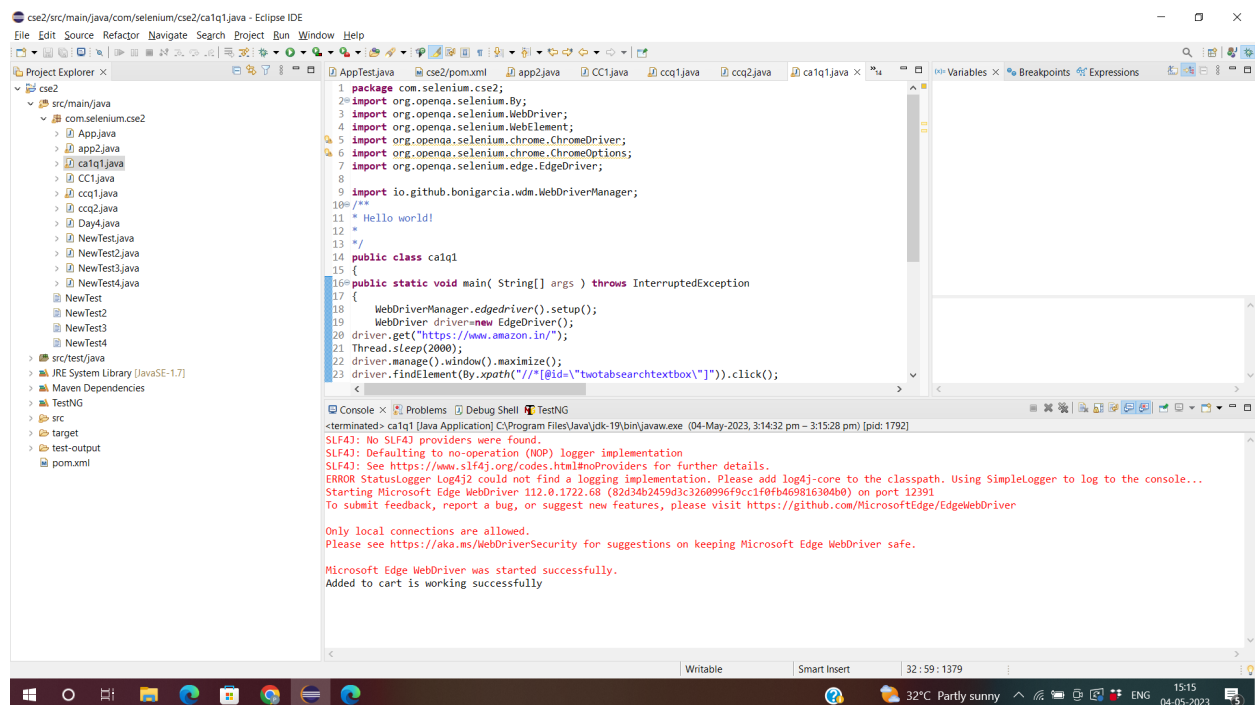
```
package com.selenium.cse2;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
/**
 * 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[1]/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 interface. The left sidebar displays the Project Explorer with a project named 'cse2' containing several Java files. The main editor window shows the code for 'ca1q1_2.java', which is a Selenium test script. The code includes imports for Selenium and WebDriver, and a main method that performs the following actions: navigating to the Amazon India homepage, clicking the search bar, entering 'fossil watches', clicking the search button, navigating to the product page for the Fossil Smartwatch, clicking the 'add to cart' button, and navigating to the cart page. The console window at the bottom shows the output of the test, indicating that the WebDriver was successfully started and the 'add to cart' action was successful.

```

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_2 {
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("fossil watches");
18         driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
19         Thread.sleep(2000);
20         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");
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 }

```

Console Output:

```

<terminated> ca1q1_2 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (04-May-2023, 3:49:27 pm - 3:50:00 pm) [pid: 2788]
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

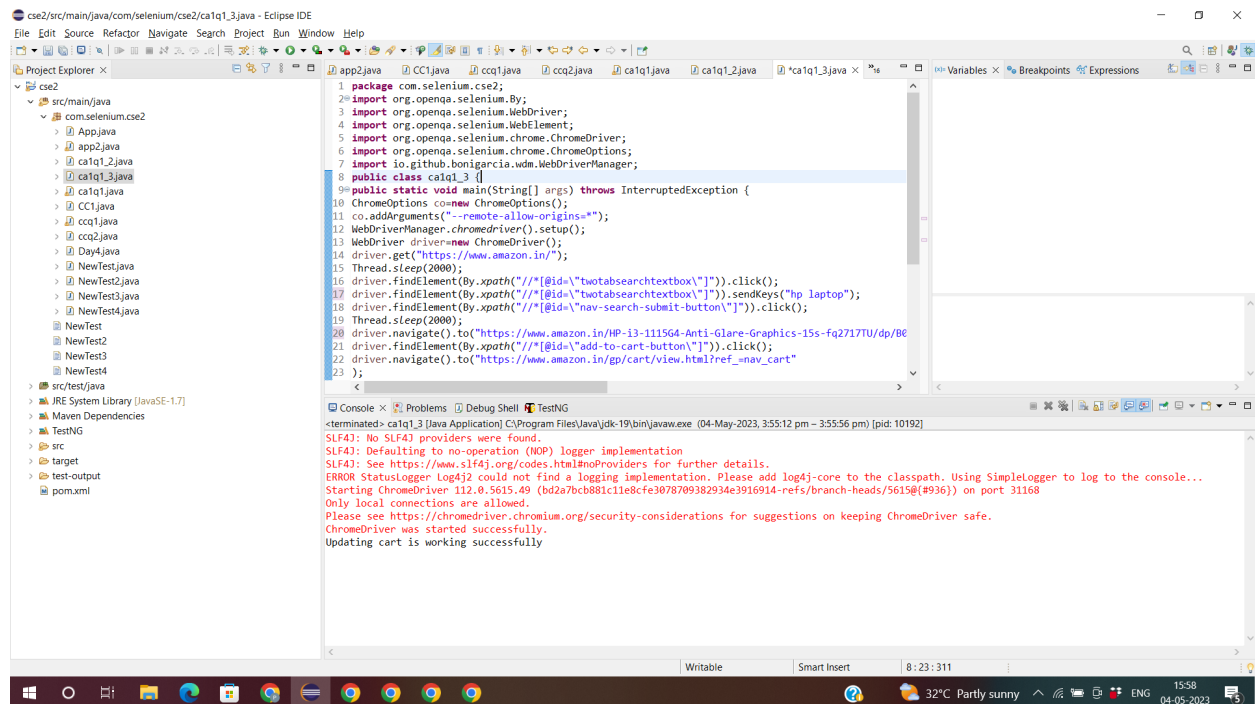
```

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:



The screenshot shows the Eclipse IDE with a project named 'cse2'. The 'Project Explorer' on the left shows the package structure: 'com.selenium.cse2' containing 'App.java', 'app2.java', 'ca1q1_2.java', 'ca1q1_3.java', 'CC1.java', 'ccq1.java', 'ccq2.java', 'Day4.java', 'NewTest.java', 'NewTest2.java', 'NewTest3.java', and 'NewTest4.java'. The 'ca1q1_3.java' file is open in the editor, showing the following code:

```
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 }
```

The 'Console' at the bottom shows the following output:

```
<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.justi.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[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
success
Your Account page is displayed
Your Order page is displayed
User is able to track package
User is able to view their products

```