
CIA-1

Problem:01

i)

```
package com.selenium.Csel;

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;

public class CA1Q2 {
    public static void main( String[] args ) throws
    InterruptedException
    {
        ChromeOptions co = new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        WebDriver driver = new ChromeDriver(co);
        driver.get("https://www.amazon.in/ASUS-15-6-inch-
        GeForce-Windows-FA506IHRZ-
        HN111W/dp/B0B5DZTNZQ?ref_=Oct_DLandingS_D_6c1a28b8_61");
        driver.manage().window().maximize();
        String title = driver.getTitle();
        String etitle = "ASUS TUF Gaming A15, 15.6-inch (39.62
        cms) FHD 144Hz, AMD Ryzen 5 4600H, 4GB NVIDIA GeForce GTX 1650,
        Gaming Laptop (8GB/512GB SSD/Windows 11/Black/2.3 Kg)";
        System.out.println(title);
        if(title.equals(etitle)) {
            System.out.println("Title is matching");
        }
        else {
            System.out.println("Title Mismatch");
        }
        driver.findElement(By.xpath("//*[@id=\"add-to-cart-
        button\"]")).click();
        Thread.sleep(5000);
        Boolean present =
        driver.findElement(By.xpath("//*[@id=\"attach-close_sideSheet-
        link\"]")).isDisplayed();
    }
}
```

```
System.out.println("Is item added to cart:" + present);

driver.get("https://www.amazon.in/gp/cart/view.html/ref=dp_atc_
dss_cart?");
Thread.sleep(5000);

driver.findElement(By.xpath("//*[@value=\"Delete\"]")).click();
Thread.sleep(2000);
String removeText =
driver.findElement(By.xpath("//*[@id=\"sc-active-
cart\"]/div/div[1]/div/h1")).getText();
String extext = "Your Amazon Cart is empty.";
if(removeText.equals(extext)) {
    System.out.println("Product is removed");
}
driver.get("https://www.amazon.in/ASUS-15-6-inch-
GeForce-Windows-FA506IHRZ-
HN111W/dp/B0B5DZTNZQ?ref_=Oct_DLandingS_D_6c1a28b8_61");
driver.findElement(By.xpath("//*[@id=\"add-to-cart-
button\"]")).click();
Thread.sleep(2000);

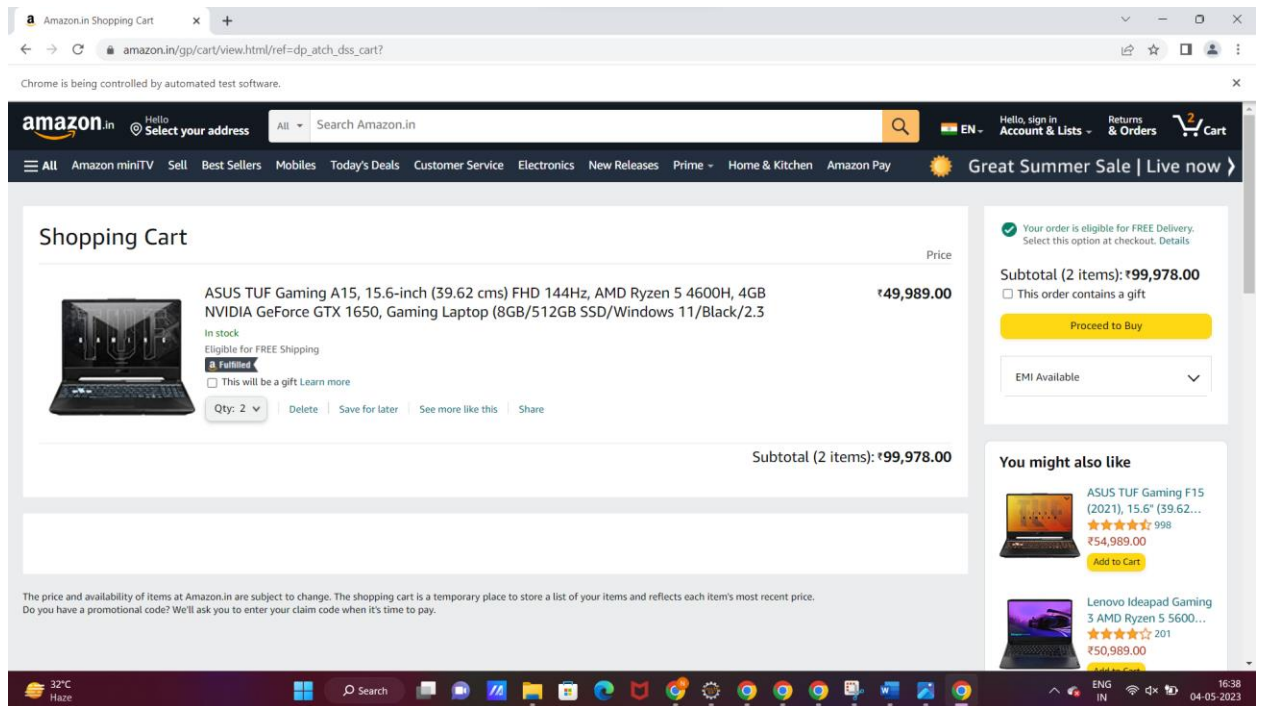
driver.get("https://www.amazon.in/gp/cart/view.html/ref=dp_atc_
dss_cart?");
Thread.sleep(5000);
driver.findElement(By.xpath("//*[@id=\"a-autoid-0-
announce\"]")).click();

driver.findElement(By.xpath("//*[@id=\"quantity_2\"]")).click();
Thread.sleep(2000);

driver.findElement(By.xpath("//*[@name=\"proceedToRetailCheckout
\"] "));
Thread.sleep(1000);
String sign = driver.getTitle();
System.out.println(sign);
String esign = "Amazon Sign In";
if(sign.equals(esign)); {
    System.out.println("Success");
}
}
```

CIA SELINUM

727721EUCS095
NITHISH KUMAR P



```

C:\code>
*terminated: CIA [Java Application] C:\eclipse\plugins\org.eclipse.jdt.launcher\org.eclipse.jdt.launcher.exe (04-May-2023, 3:04:35 pm - 3:05:20 pm) [pid: 10860]
SuF4j: See https://www.sif4j.org/codes.html#noProviders for further details.
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using Sim
Starting Microsoft Edge WebDriver 112.0.1722.39 (e40a520f851f31c19e0c93c4278f5b408ec37d7c) on port 32429
To submit feedback, report a bug, or suggest new features, please visit https://github.com/MicrosoftEdge/EdgeWebDrive
Only local connections are allowed.
Please see https://aka.ms/WebDriverSecurity for suggestions on keeping Microsoft Edge WebDriver safe.
Microsoft Edge WebDriver was started successfully.
Added to cart is working successfully
```

ii)

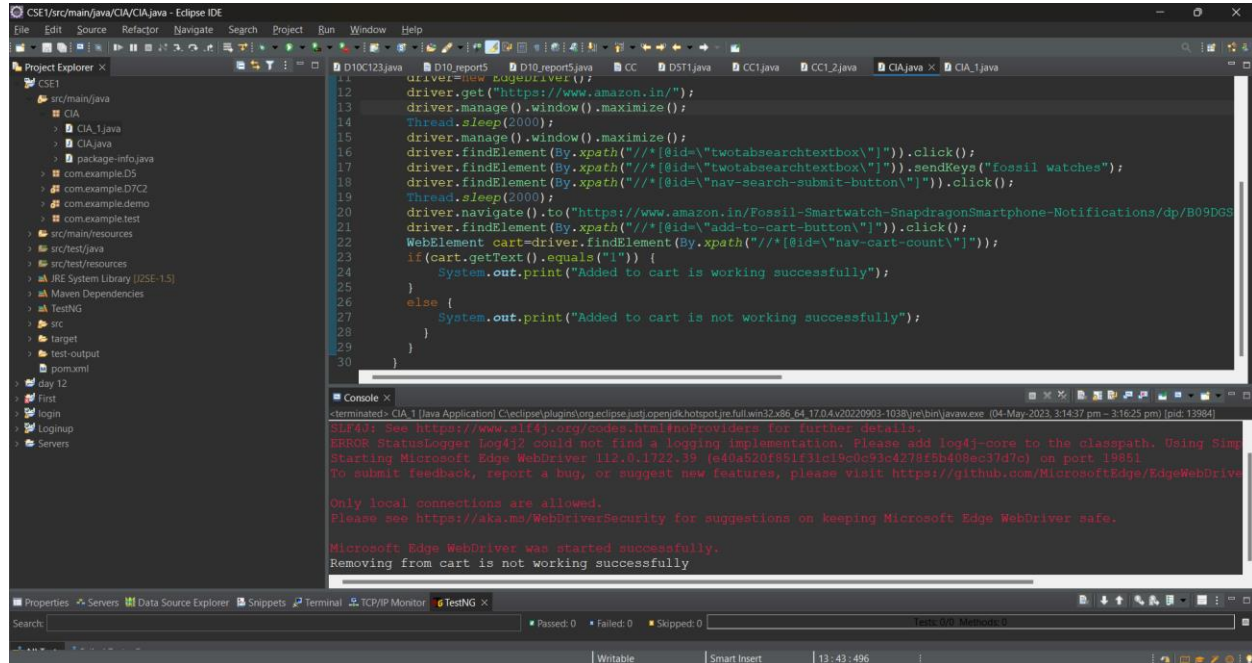
Js code:

package CIA;
import org.openqa.selenium.By;

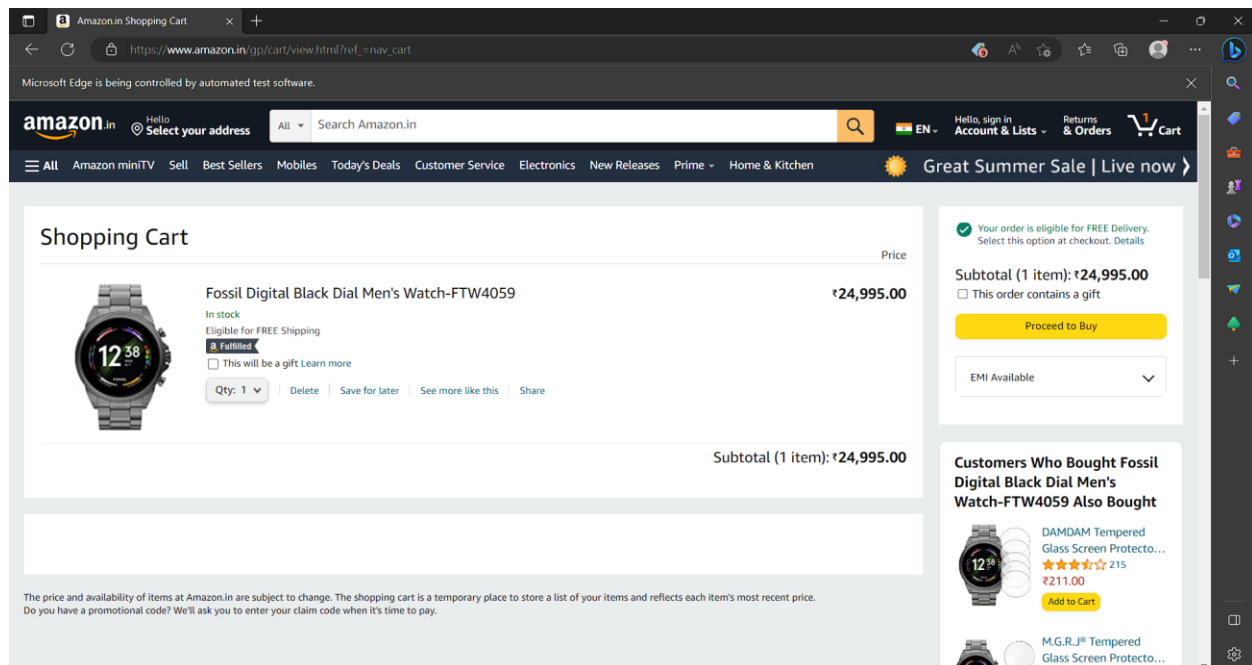
```
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
public class CIA_1 {
    public static void main(String[] args) throws InterruptedException {
        WebDriver driver;
        WebDriverManager.edgedriver().setup();
        driver=new EdgeDriver();
        driver.get("https://www.amazon.in/");
        driver.manage().window().maximize();
        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+wat
ches&qid=1681295284&srefix=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/sp
an[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");
        }
    }
}
```

CIA SELINUM

727721EUCS095
NITHISH KUMAR P



The screenshot shows the Eclipse IDE with a Java project named 'CIA'. The main editor displays a Selenium WebDriver script in 'CIA.java'. The script performs the following actions: 1. Opens a new Edge WebDriver instance. 2. Navigates to 'https://www.amazon.in/'. 3. Maximizes the browser window. 4. Sleeps for 2000ms. 5. Finds the search bar and clicks it. 6. Sends the text 'fossil watches' to the search bar. 7. Clicks the search button. 8. Sleeps for 2000ms. 9. Navigates to the product page for 'Fossil Smartwatch-SnapdragonSmartphone-Notifications/dp/B09DGS'. 10. Finds the 'add-to-cart' button and clicks it. 11. Finds the cart count and checks if it equals '1'. 12. Prints 'Added to cart is working successfully' if true, or 'Added to cart is not working successfully' if false. The console output shows the following messages: '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 SimpleStarting Microsoft Edge WebDriver 112.0.1722.39 (a40a520f851f31c19c0c93c4279f5b408ec37d7c) on port 19861', 'To submit feedback, report a bug, or suggest new features, please visit https://github.com/MicrosoftEdge/EdgeWebDriver', 'Only local connections are allowed.', 'Please see https://aka.ms/WebDriverSecurity for suggestions on keeping Microsoft Edge WebDriver safe.', 'Microsoft Edge WebDriver was started successfully.', and 'Removing from cart is not working successfully'.



iii)
Js code:

```
package CIA;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
public class CIA_2 {
    public static void main(String[] args) throws InterruptedException {
        WebDriver driver;
        WebDriverManager.edgedriver().setup();
        driver=new EdgeDriver();
        driver.get("https://www.amazon.in/");
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();

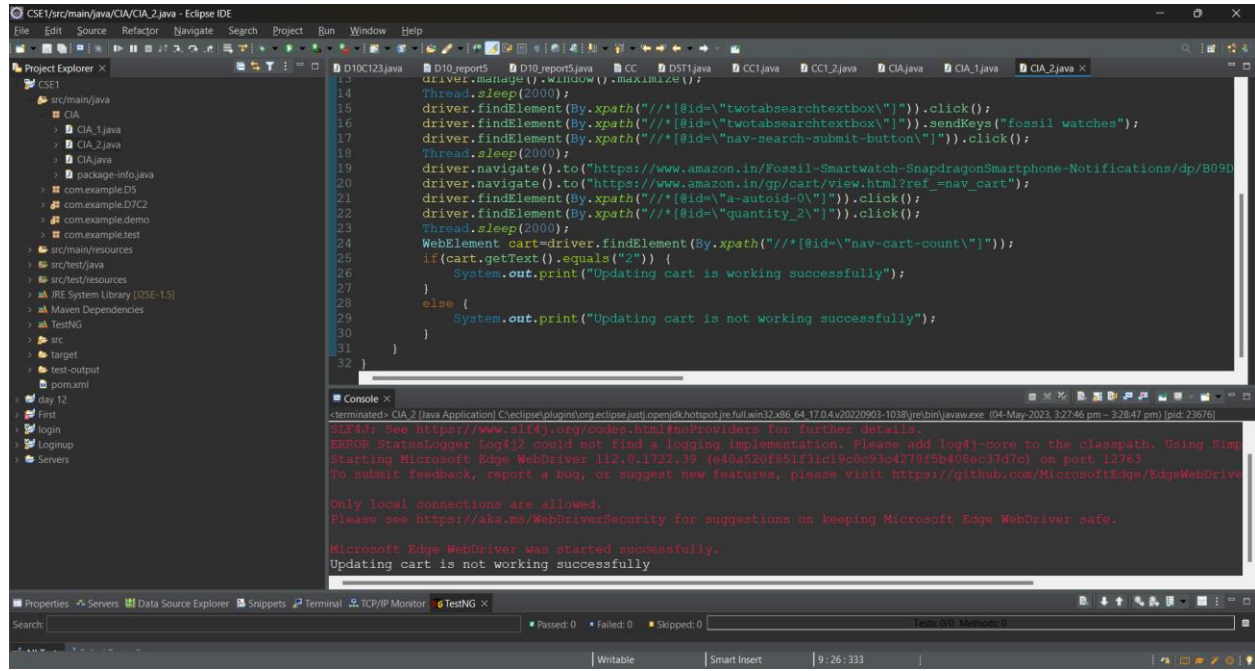
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil
watches");
        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-
button\"]")).click();
        Thread.sleep(2000);
        driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-
SnapdragonSmartphone-
Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ&keywords=fossil+watc
hes&qid=1681295284&srefix=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");
        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");
        }
    }
}
```

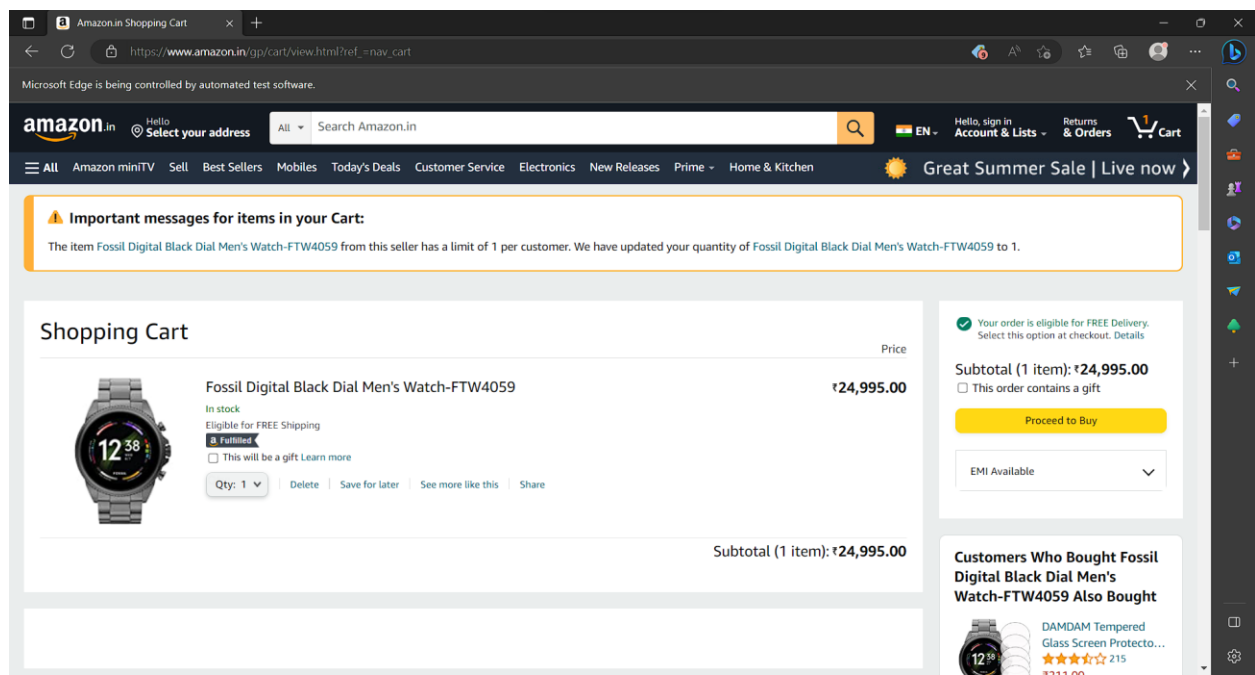
CIA SELINUM

727721EUCS095
NITHISH KUMAR P

```
}  
}
```



The screenshot shows the Eclipse IDE with a Java project named 'CSE1'. The 'src/main/java' directory contains a package 'CIA'. Inside 'CIA', there are files 'CIA_1.java', 'CIA_2.java', and 'CIA.java'. The 'CIA_2.java' file is open, showing Selenium WebDriver code. The code performs the following actions: 1. Clicks on the 'twotabsearchtextbox' with ID 'twotabsearchtextbox'. 2. Sends keys 'fossil watches' to the search box. 3. Clicks on the 'nav-search-submit-button' with ID 'nav-search-submit-button'. 4. Navigates to 'https://www.amazon.in/Fossil-Smartwatch-SnapdragonSmartphone-Notifications/dp/B09B...'. 5. Clicks on the 'a-autoid-0' with ID 'a-autoid-0'. 6. Clicks on the 'quantity_2' with ID 'quantity_2'. 7. Finds the 'nav-cart-count' with ID 'nav-cart-count'. 8. 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 message 'Updating cart is not working successfully'. The bottom status bar indicates 'TestNG' with 'Passed: 0', 'Failed: 0', and 'Skipped: 0'.



iv)

Js code:

```

package CIA;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
public class CIA_3 {
    public static void main(String[] args) throws InterruptedException {
        WebDriver driver;
        WebDriverManager.edgedriver().setup();
        driver=new EdgeDriver();
        driver.get("https://www.amazon.in/");
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();

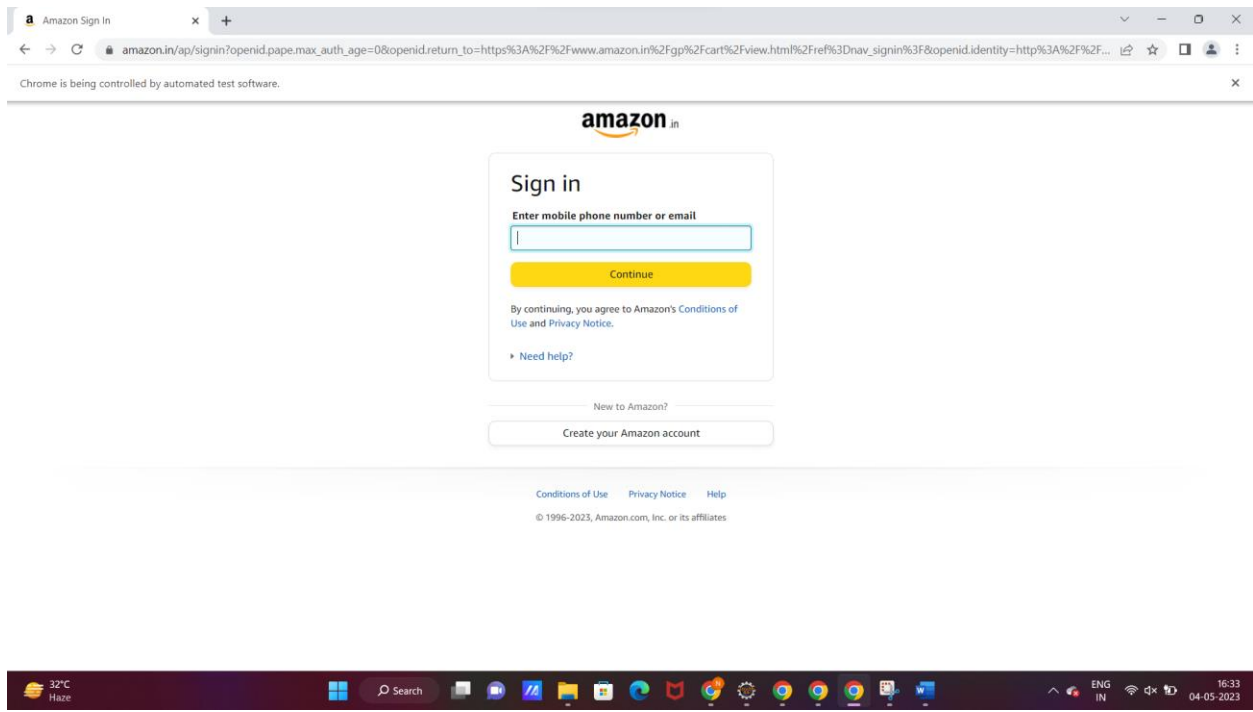
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil
watches");
        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-
button\"]")).click();
        Thread.sleep(2000);
        driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-
SnapdragonSmartphone-
Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ&keywords=fossil+watc
hes&qid=1681295284&srefix=fossil+watche%2Caps%2C405&sr=8-25") ;
        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("Navigated to signin page");
        }
    }
}

```



```
}
}
```

```
<terminated> CIA_3 [Java Application] C:\eclipse\plugins\org.eclipse.jdt.launcher\win32\org.eclipse.jdt.launcher.exe (04-May-2023 3:34:11 pm) [pid: 20440]
ERROR StatusLogger log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using Slf4j
Starting Microsoft Edge WebDriver 112.0.1722.39 (e40a520f851f31c19c0c93c4278f5b40bec37d7c) on port 29410
To submit feedback, report a bug, or suggest new features, please visit https://github.com/MicrosoftEdge/EdgeWebDrive
Only local connections are allowed.
Please see https://aka.ms/WebDriverSecurity for suggestions on keeping Microsoft Edge WebDriver safe.
Microsoft Edge WebDriver was started successfully.
Sign in
Navigated to sign page
```



2)

```
package com.selenium.Csel;
```

```
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 codeforcal {

    public static void main(String[] args) {
        ChromeOptions co=new ChromeOptions();
        co.addArguments ("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup ();
        WebDriver driver=new ChromeDriver(co);
        driver.get ("https://www.amazon.in/");
        driver.manage().window().maximize() ;
        String currentTitle=driver.getTitle();
        System.out.println(currentTitle);
        String expectedTitle="Result for the Search";
        currentTitle.equals(expectedTitle); {
            System.out.println("Title Matched");
        }
        WebElement
txtBox1=driver.findElement(By.xpath("//*[@id=\"twotabsearchtextb
ox\"]"));
        txtBox1.sendKeys("pendrive");
        driver.findElement(By.xpath("//*[@id=\"nav-search-
submit-button\"]")).click();

        String
txt1=driver.findElement(By.xpath("/html/body/div[1]/div[2]/div[1]
/div[1]/div/span[1]/div[1]/div[3]/div/div/div/div/div/div/div[1]/div/div[2]/div/span/a/div/img")).getText();
        System.out.println(txt1);
        String
txt2=driver.findElement(By.xpath("//*[@id=\"search\"]div[1]/div
[1]/div/span[1]/div[1]/div[10]/div/div/div/div/div/div/div[2]/div/di
v/div[1]/h2/a/span")).getText();
        System.out.println(txt2);
        String
txt3=driver.findElement(By.xpath("//*[@id=\"search\"]div[1]/div
[1]/div/span[1]/div[1]/div[13]/div/div/div/div/div/div/div[2]/div/di
v/div[1]/h2/a/span")).getText();
        System.out.println(txt3);
        String
txt4=driver.findElement(By.xpath("//*[@id=\"search\"]div[1]/div
[1]/div/span[1]/div[1]/div[19]/div/div/div/div/div/div/div[2]/div/di
v/div[1]/h2/a/span")).getText();

```

CIA SELINUM

727721EUCS095
NITHISH KUMAR P

```
System.out.println(txt4);

//filter

driver.findElement(By.xpath("//*[@id=\"p_36/7252032031\"]/span/a/span")).click();

driver.findElement(By.xpath("//*[@id=\"p_n_pattern_browse-bin/1464446031\"]/span/a/span")).click();
}
}
```

```
Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
Title Matched
SanDisk Ultra Dual Drive Go USB Type C Pendrive for Mobile, Navy Blue, 128GB, 5Y Warranty
SanDisk Ultra Dual Drive Luxe USB 3.0, USB 2.0 Type-C 256GB, Metal Pendrive for Mobile, Silver
SanDisk Cruzer Blade 32GB USB Flash Drive
SanDisk Cruzer Blade 64GB USB 2.0 Flash Drive
HP v236w 32GB USB 2.0 Pen Drive, Grey
```

4)

Js code:

package CIA1;

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 Q1_4 {

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("Fastrack  
Watches");  
driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();  
Thread.sleep(2000);  
driver.navigate().to("https://www.amazon.in/Fastrack-Analog-Black-Dial-Watch-  
NK3147KM01/dp/B01GDWNV86/ref=sxin_25_recs_zoco_stores_brand_identity_bs?conte  
nt-id=amzn1.sym.336d1ffc-1bb0-4002-950e-c5a1ab177cef%3Aamzn1.sym.336d1ffc-1bb0-  
4002-950e-  
c5a1ab177cef&cv_ct_cx=fastrack+watches&keywords=fastrack+watches&pd_rd_i=B01G  
DWNV86&pd_rd_r=81d9e00c-a0b9-4748-9686-  
95f3284f5634&pd_rd_w=TDJiM&pd_rd_wg=xMnMt&pf_rd_p=336d1ffc-1bb0-4002-950e-  
c5a1ab177cef&pf_rd_r=7VGPGC1B5V9ZYC4PH2NM&qid=1683192870&sbo=RZvfv%2F%2  
FHxDF%2BO5021pAnSA%3D%3D&sr=1-1-0723f66e-ff99-43ba-a202-1be1089a8603") ;  
  
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 sample=ele.getText();  
System.out.println(sample);  
String actual="Sign in";  
if(sample.equals(actual)) {  
System.out.print("CheckOut process is done successfully");  
}  
}  
}
```

Output:

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See <http://www.slf4j.org/codes.html#StaticLoggerBinder> 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 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 23755
Only local connections are allowed.
Please see <https://chromedriver.chromium.org/security-considerations> for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Sign in
CheckOut process is done successfully