
CIA-1

Problem:01

i)

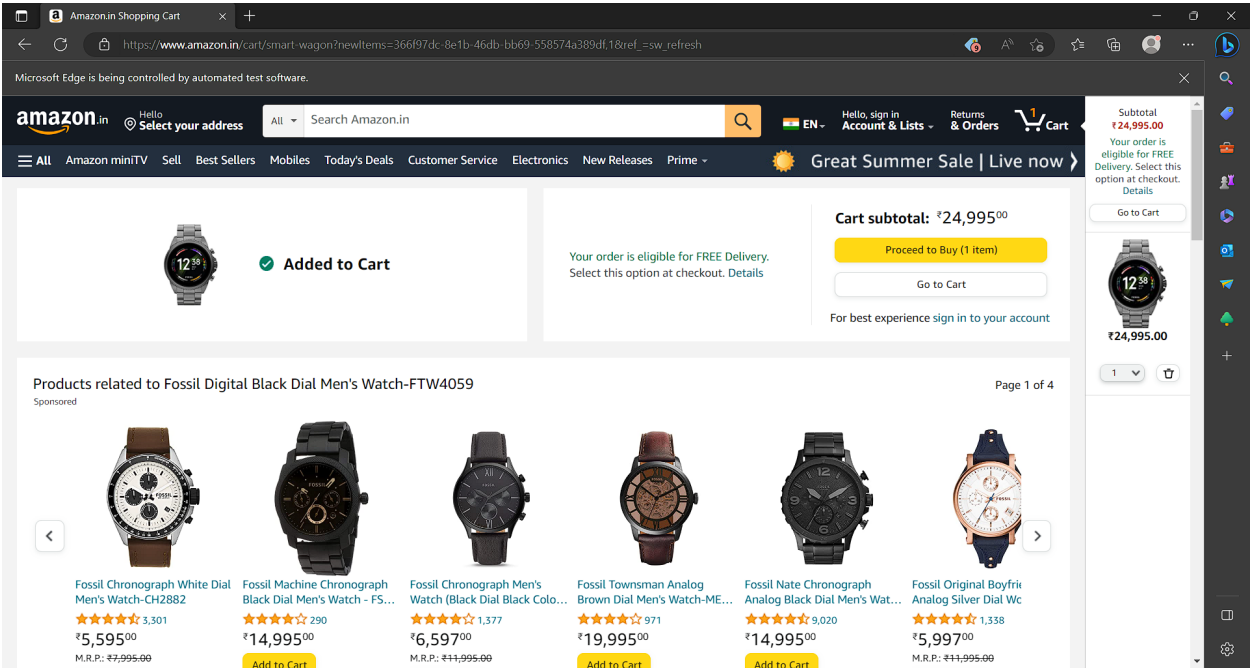
Js code:

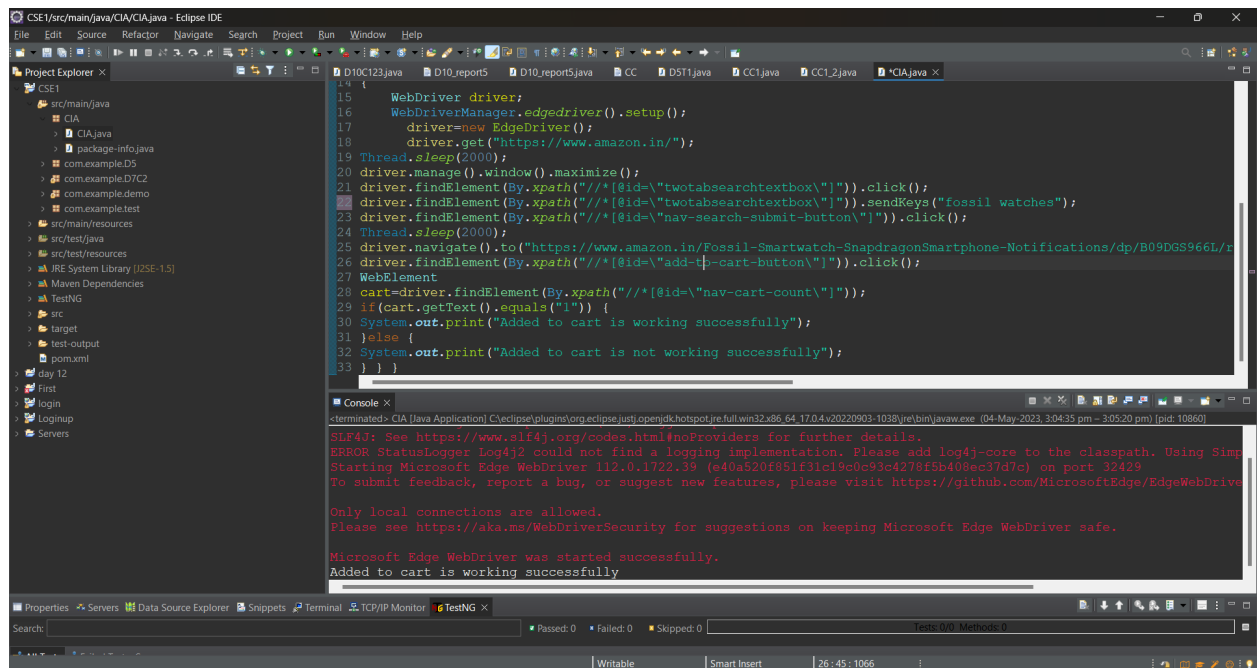
```
package CIA;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
public class CIA{
    public static void main( String[] args ) throws InterruptedException{
        WebDriver driver;
        WebDriverManager.edgedriver().setup();
        driver=new EdgeDriver();
        driver.get("https://www.amazon.in/");
        driver.manage().window().maximize();
        Thread.sleep(2000);
        driver.manage().window().maximize();
        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-SnapdragonSmartpho
ne-Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ&keywords=fos
sil+watches&qid=1681295284&sprexif=fossil+watche%2Caps%2C405&sr=8-25") ;
        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");
        }
    }
}
```

}





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+atches&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");
```

```
}
```

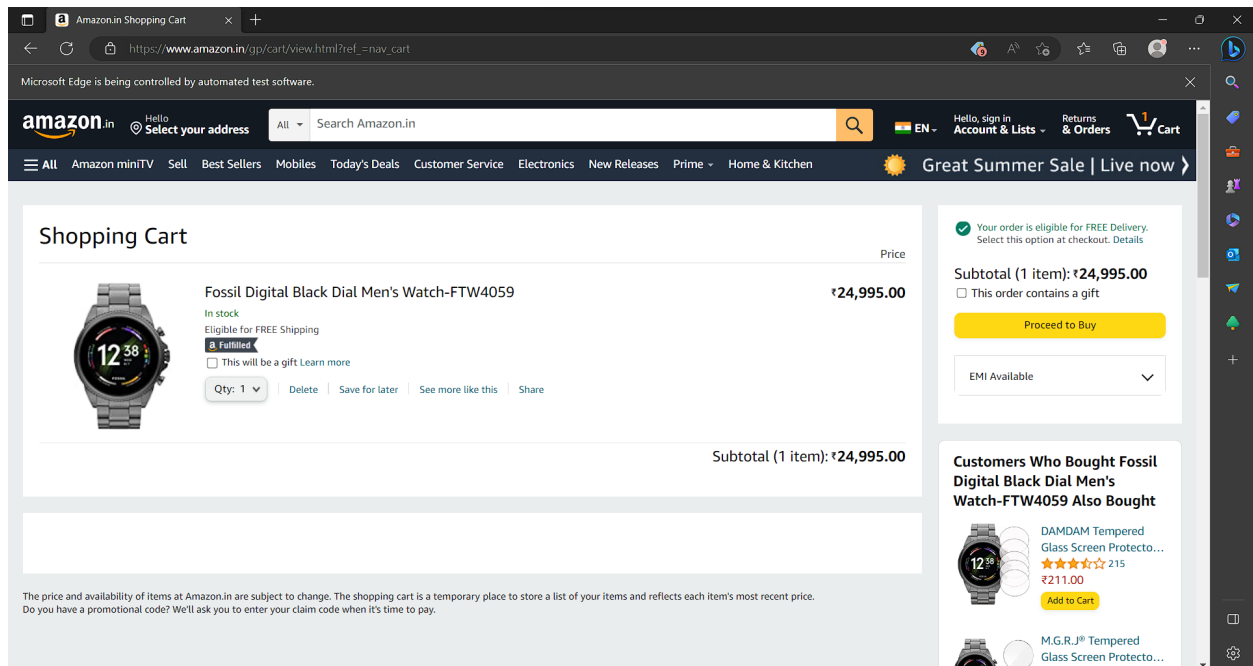
```
}
```

```
}
```

The screenshot shows the Eclipse IDE with a Java project named 'CSE1'. The main editor displays the Selenium test code, which includes navigating to an Amazon page, clicking the search button, adding an item to the cart, and checking the cart count. The console output shows the following messages:

```
<terminated>: CIA_1 [Java Application] C:\eclipse\plugins\org.eclipse.jdt.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1030\jre\bin\java.exe (04-May-2023 3:14:37 pm - 3:16:25 pm) [pid: 13984]
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 Simple
Starting Microsoft Edge WebDriver 112.0.1722.39 (e40a520f851f31c19c0c93c4278f5b408ec37d7c) on port 19851
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.
Removing from cart is not working successfully
```

The TestNG output at the bottom shows 0 tests passed, 0 failed, and 0 skipped.



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();

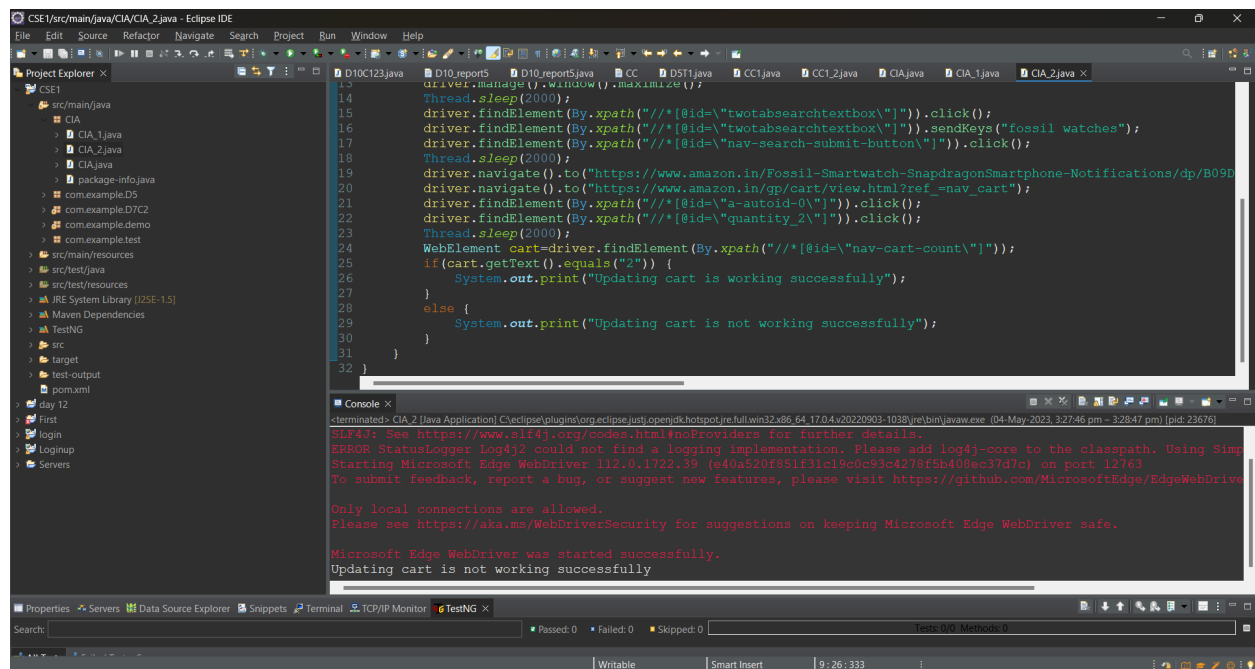
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil watches");

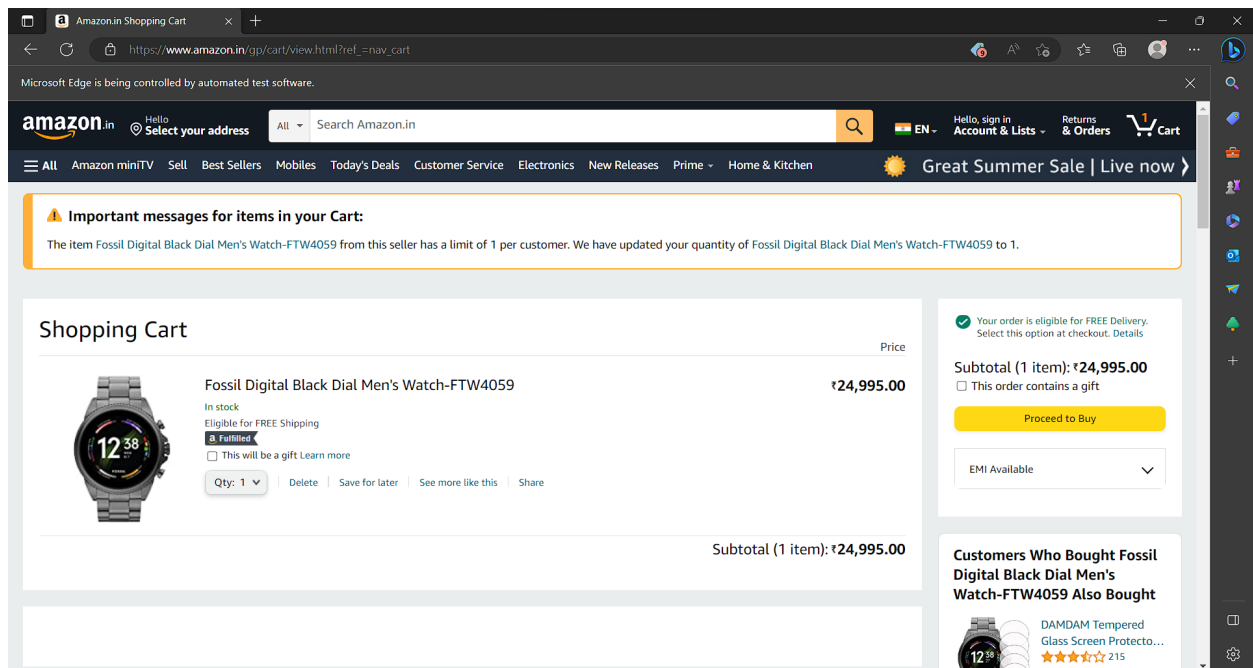
        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
```

```
Thread.sleep(2000);
```

```
driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-SnapdragonSmartphone-
Notifications/dp/B09DGS966L/ref=sr_1_25?crd=2LOQNXJII74SZ&keywords=fossil+watche
es&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");
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");
}
}
```





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?crd=2LOQNXJII74SZ&keywords=fossil+watches&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");
```

```
}
```

```
}
```

```
}
```

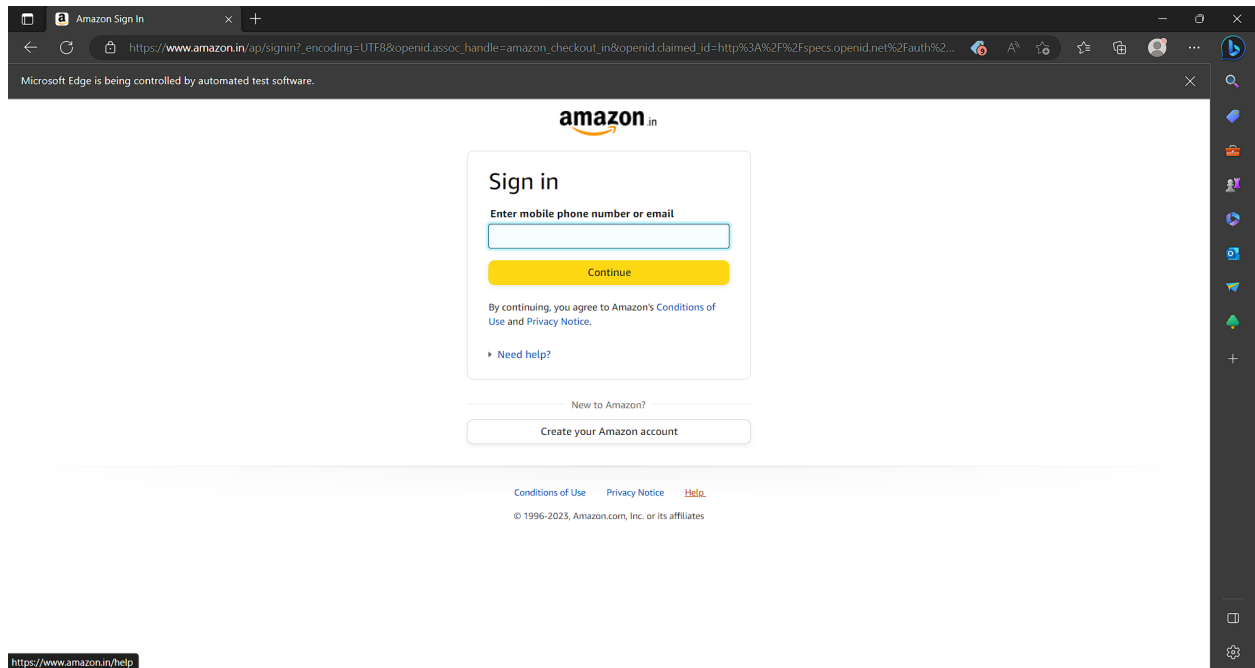
The screenshot shows the Eclipse IDE with a Java project named 'CIA'. The main class is 'CIA_3.java'. The code in the editor is as follows:

```
1 package CIA;
2 import org.openqa.selenium.By;
3 import org.openqa.selenium.WebDriver; import org.openqa.selenium.WebElement;
4 import org.openqa.selenium.edge.EdgeDriver;
5 import io.github.bonigarcia.wdm.WebDriverManager;
6 public class CIA_3 {
7     public static void main(String[] args) throws InterruptedException {
8         WebDriver driver;
9         WebDriverManager.edgedriver().setup();
10        driver=new EdgeDriver();
11        driver.get("https://www.amazon.in/");
12        driver.manage().window().maximize();
13        Thread.sleep(2000);
14        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();
15        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("fossil watches");
16        driver.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
17        Thread.sleep(2000);
18        driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-SnapdragonSmartphone-Notifications/dp/B09DGS966L/ref=sr_1_25?crd=2LOQNXJII74SZ&keywords=fossil+watches&qid=1681295284&srefix=fossil+watche%2Caps%2C405&sr=8-25");
19        driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
20        driver.findElement(By.xpath("//*[@id=\"sc-buy-box-ptc-button\"]/span/input")).click();
21    }
22 }
```

The console output shows the following messages:

```
<terminated> CIA_3 [Java Application] C:\eclipse\plugins\org.eclipse.just\openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (04-May-2023, 3:34:11 pm - 3:35:37 pm) [pid: 20440]
ERROR StatusLogger log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using SIMPL
Starting Microsoft Edge WebDriver 112.0.1722.39 (e40a520f851f31c19c0c93c4278f5b408ec37d7c) 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 signin page
```

The bottom status bar shows 'TestNG' with 'Passed: 0', 'Failed: 0', 'Skipped: 0', and 'Tests: 0/0, Methods: 0'.



2)

Js code:

```
package CIA;
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.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
public class CIA_4 {
    public static void main( String[] args ){
        WebDriver driver;
        WebDriverManager.edgedriver().setup();
        driver=new EdgeDriver();
        driver.get("https://www.amazon.in");
        driver.manage().window().maximize();

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

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

        String a=driver.getTitle();
```

```

        if(a.equals("Amazon.in : Shoes")) {
            System.out.println("Title is Matched\n");
        } else {
            System.out.println("Title is Mismatched");
        }
        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[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[2]/div/div/div[1]/h2/a/span"));
        System.out.print("Price 2,000-10,000 & Puma: "+ c.getText());
    }
}

```

```

<terminated> Ques2 [Java Application] /Users/shyam.p2/pool/plugins/org.eclipse.justi.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 3:16:20 pm - 3:16:56 pm) [p
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.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 34495
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Apr 12, 2023 3:16:27 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 112, so returning the closest version found: 111
Title is Matched
Redmi Note 12 5G Matte Black 6GB RAM 128GB ROM | 1st Phone with 120Hz Super AMOLED and Snapdragon® 4 Gen 1 | 48MP AI Triple Camera
Apple iPhone 14 Pro (256 GB) - Silver
Samsung Galaxy M04 Dark Blue, 4GB RAM, 64GB Storage | Upto 8GB RAM with RAM Plus | MediaTek Helio P35 Octa-core Processor | 5000 mAh Battery | 13MP Dual
Redmi A1 (Light Blue, 2GB RAM, 32GB Storage) | Segment Best AI Dual Cam | 5000mAh Battery | Leather Texture Design | Android 12
OnePlus Nord CE 2 Lite 5G (Black Duck, 6GB RAM, 128GB Storage)

```

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?content-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=B01GDWNV86&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%2FHxDF%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