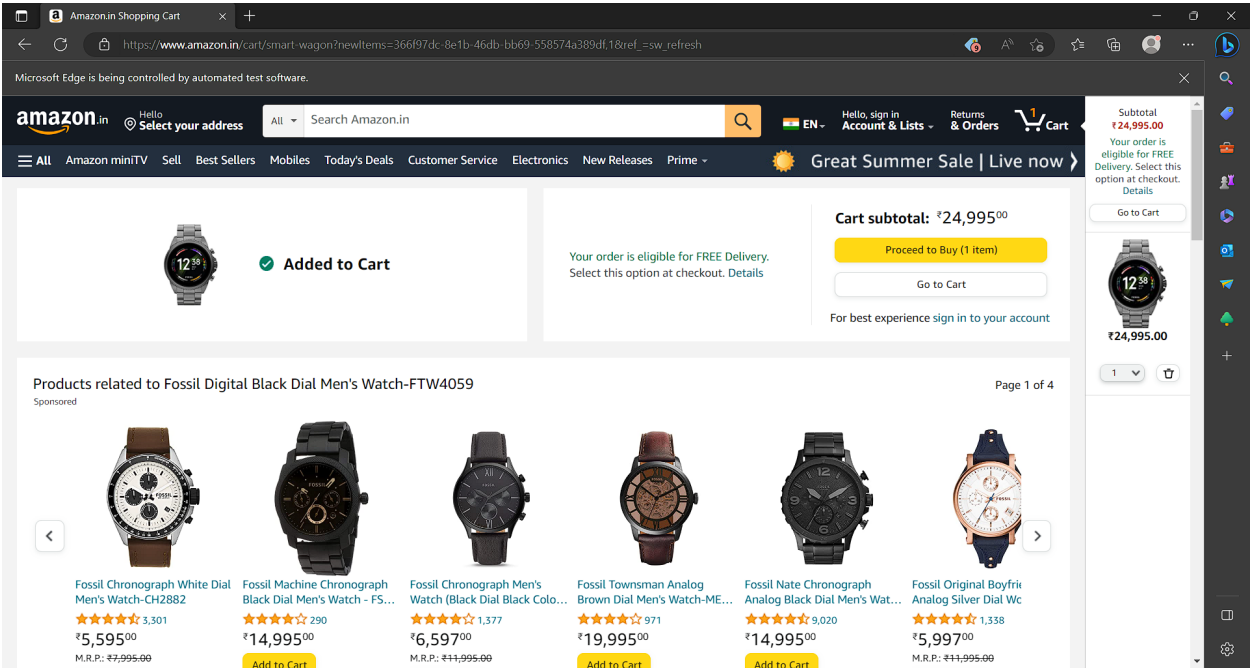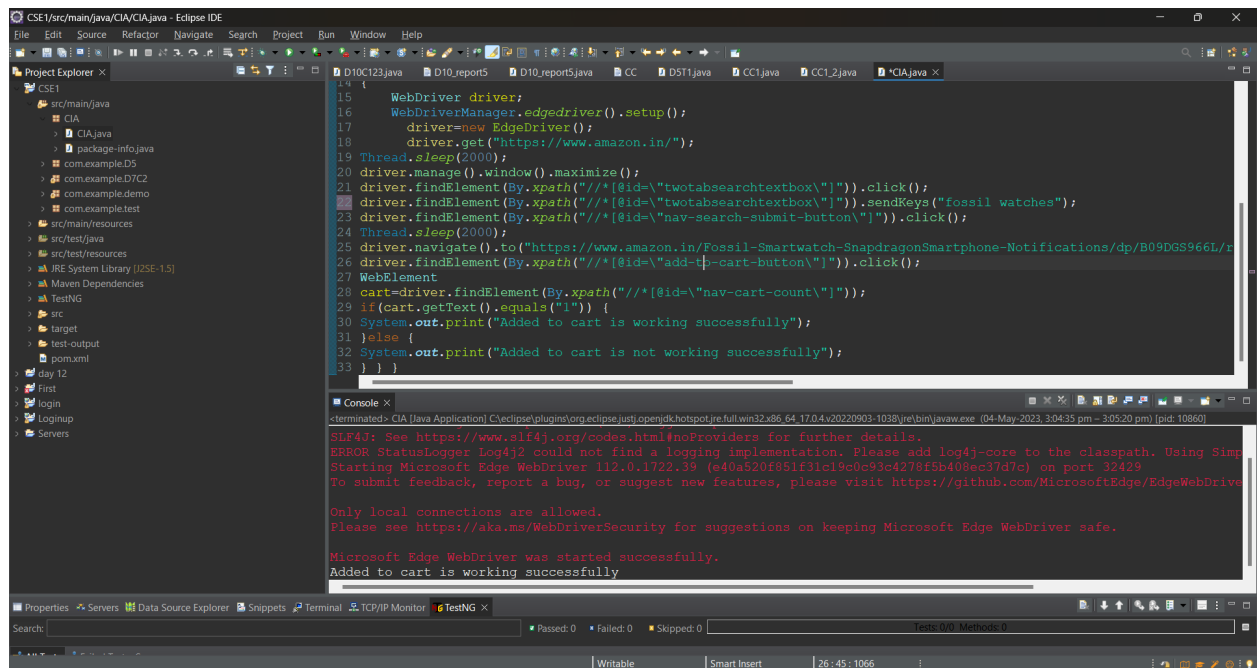---

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&sprefix=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:

```java
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");
```

```java
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");
        }
    }
}
```
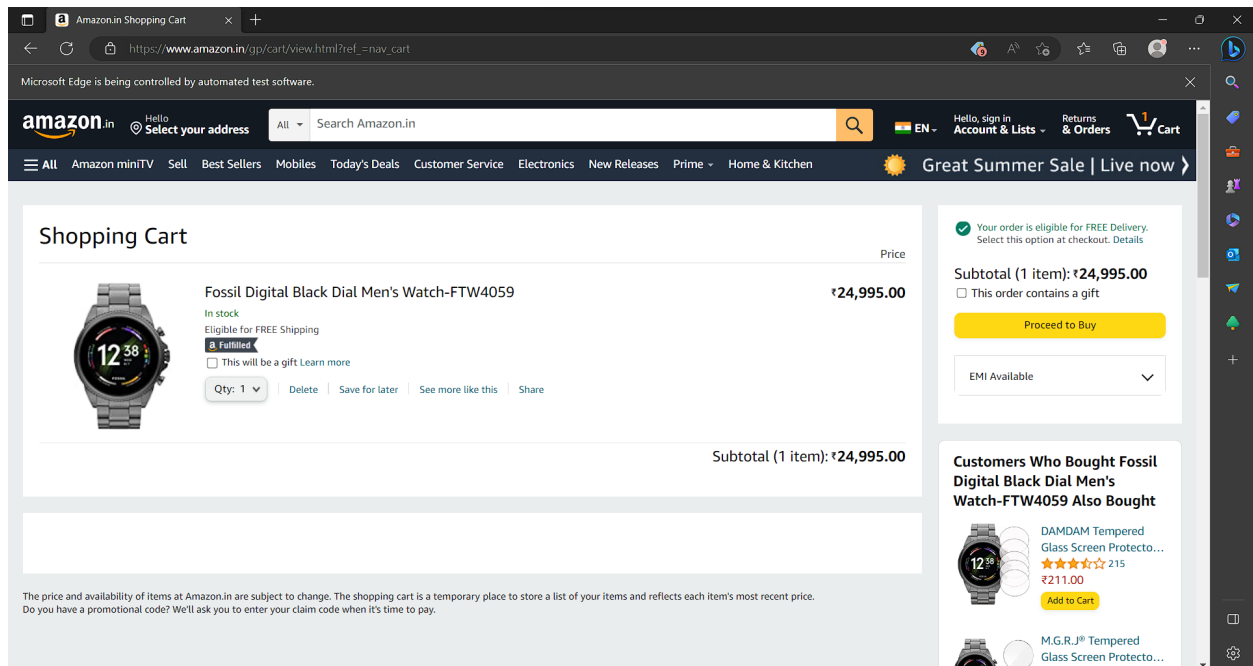
iii)
Js code:

```
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=2LOQNXJIl74SZ&keywords=fossil+watch
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");
            }
        }
}
```
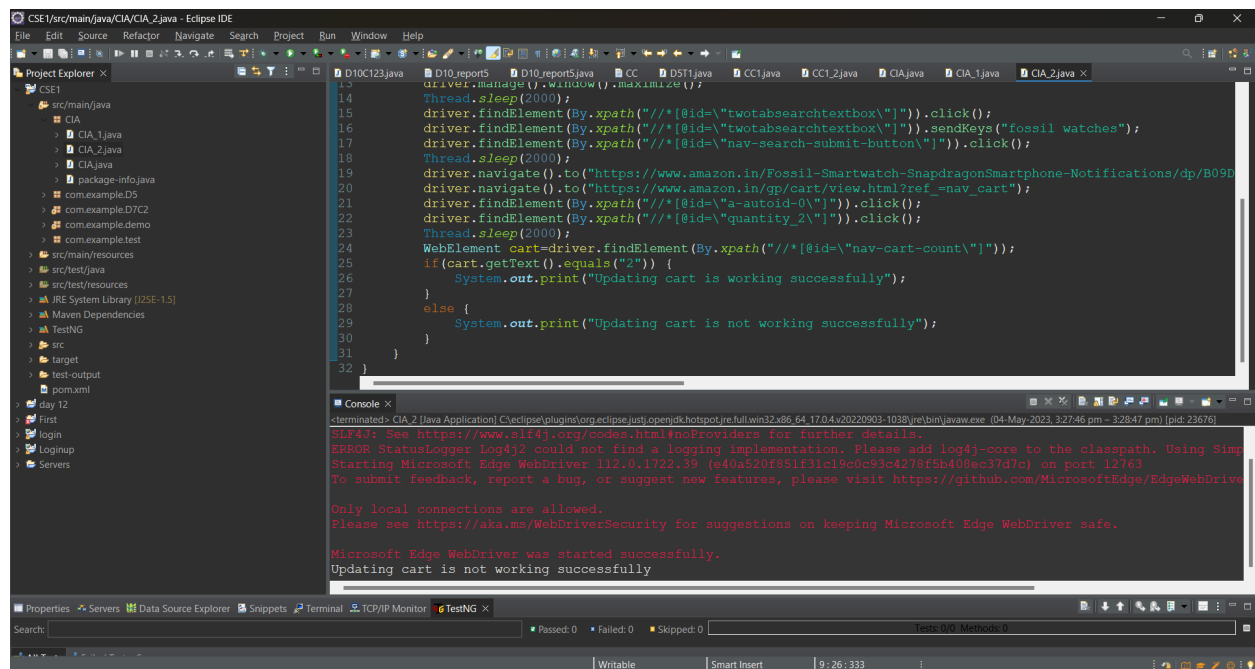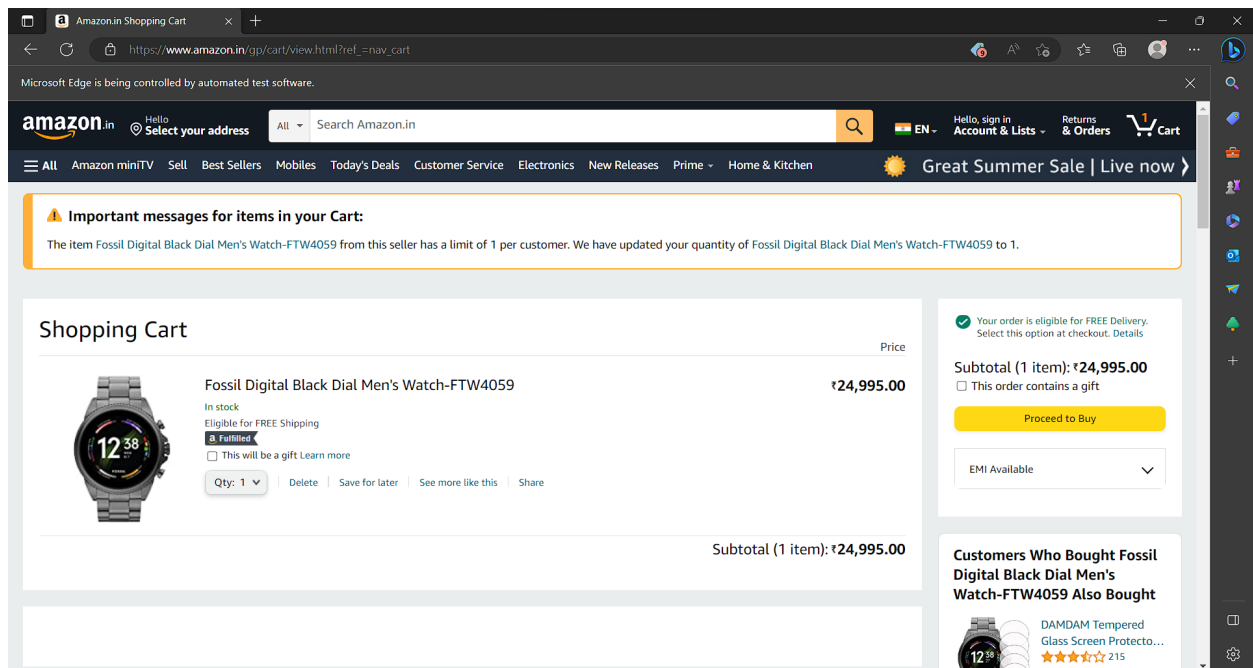
iv)
Js code:

```
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);
```

```java
driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-SnapdragonSmartphone-
Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJIl74SZ&keywords=fossil+watch
es&qid=1681295284&sprefix=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]/for
m/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 sigin page");
          }
      }
}
```

2)
Js code:

```java
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();
```

```java
        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[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[2]/div/div/div[1]/h2/a/span"));
        System.out.print("Price 2,000-10,000 & Puma: "+ c.getText());
        }
}
```


4)

Js code:

```java
package CIA1;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
```

```java
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-NK3147K
M01/dp/B01GDWNV86/ref=sxin_25_recs_zoco_stores_brand_identity_bs?content-id=amz
n1.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=7VGPGC1B5V9ZYC4P
H2NM&qid=1683192870&sbo=RZvfv%2F%2FHxDF%2BO5021pAnSA%3D%3D&sr=1-1-072
3f66e-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]/for
m/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