

NAME: NAVANEETHAN G  
ROLL NO: 727721EUCS088

CA-1

1.

CODE:

i)

```
package com.selenium.TestProject;
```

```
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 CA1 {
```

```
    public static void main(String[] args) {
```

```
        WebDriverManager.edgedriver().setup();
```

```
        WebDriver driver=new EdgeDriver();
```

```
        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");
```

```
        }
```

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```
// driver.findElement(By.xpath("//*[@id=\"DN_UygQtFGWLQDugWQth-  
w\"]/div[2]/div[1]/div[1]/a/div[1]/img")).click();  
  
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).click();  
        driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]")).sendKeys("DW  
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&sprefix=fossil+watche%2Caps%2 C405&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)

```
package com.selenium.TestProject;  
  
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 CA1 {  
  
    public static void main(String[] args) {  
        WebDriverManager.edgedriver().setup();
```

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```
        WebDriver driver=new EdgeDriver();

        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?crid=2LOQNXJII74SZ
&keywords=fossil+watches&qid=1681295284&sprefix=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" );

        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");

        }

    }
```

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}

iii)

```
package com.selenium.TestProject;
```

```
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 CA1 {
```

```
    public static void main(String[] args) throws Exception {
```

```
        WebDriverManager.edgedriver().setup();
```

```
        WebDriver driver=new EdgeDriver();
```

```
        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("success");
```

```
        }
```

```
        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);
```

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```
driver.navigate().to("https://www.amazon.in/Fossil-Smartwatch-Snapdragon  
Smartphone-Notifications/dp/B09DGS966L/ref=sr_1_25?crid=2LOQNXJII74SZ  
&keywords=fossil+watches&qid=1681295284&sprefix=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("Updating cart is working successfully");
```

```
}else {
```

```
System.out.print("Updating cart is not working successfully"); }
```

```
}
```

```
}
```

iv) and v)

```
package com.selenium.TestProject;
```

```
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 CA1 {
```

```
public static void main(String[] args) throws Exception {
```

```
WebDriverManager.edgedriver().setup();
```

```
WebDriver driver=new EdgeDriver();
```

```
driver.get("https://www.amazon.in/");
```

```
driver.manage().window().maximize();
```

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

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```
        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("success");

        }

        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&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("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:

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i)

```
Starting Microsoft Edge WebDriver 112.0.1722.68 (82d34b2459d3c3260996f9cc1f0fb469816304b0) on port 20539
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.
title:Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
success
Added to cart is working successfully
```

ii)

```
Starting Microsoft Edge WebDriver 112.0.1722.68 (82d34b2459d3c3260996f9cc1f0fb469816304b0) on port 32923
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.
title:Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
success
Removing from cart is working successfully
```

iii)

```
Starting Microsoft Edge WebDriver 112.0.1722.68 (82d34b2459d3c3260996f9cc1f0fb469816304b0) on port 23343
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.
title:Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
success
Updating cart is not working successfully
```

iv) and v)

```
Starting Microsoft Edge WebDriver 112.0.1722.68 (82d34b2459d3c3260996f9cc1f0fb469816304b0) on port 46649
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.
title:Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
success
checkout is working successfully and the cost details are correct
```

2.

CODE:

```
package com.selenium.TestProject;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.edge.EdgeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;
```

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```
public class CA2 {  
    public static void main(String[] args) {  
        int productCount = 0;  
        WebDriverManager.edgedriver().setup();  
        EdgeDriver driver = new EdgeDriver();  
        driver.get("https://www.amazon.in/");  
        driver.manage().window().maximize();  
        driver.findElement(By.id("twotabsearchtextbox")).sendKeys("dress");  
        driver.findElement(By.id("twotabsearchtextbox")).sendKeys(Keys.ENTER);  
        List<WebElement> titleElements = driver.findElements(By.xpath("//h2[@class='a-size-mini a-spacing-none a-color-base s-line-clamp-2']"));  
        for (WebElement titleElement : titleElements) {  
            System.out.println(titleElement.getText());  
            productCount++;  
            if(productCount == 5) {  
                break;  
            }  
        }  
        WebElement sort = driver.findElement(By.xpath("//*[@id=\"a-autoid-0-announce\"]"));  
        sort.click();  
        System.out.println("Filter Applied!");  
        WebElement lhfilter = driver.findElement(By.xpath("//*[@id=\"s-result-sort-select_1\"]"));  
        lhfilter.click();  
        System.out.println("Based on Price");  
        sort.click();  
        WebElement reviewfilter = driver.findElement(By.xpath("//*[@id=\"s-result-sort-select_3\"]"));  
        reviewfilter.click();  
        System.out.println("Based on Reviews");  
    }  
}
```



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OUTPUT:

```
Microsoft Edge WebDriver was started successfully.  
Women Casual Dress  
Women Casual Dress  
Green Embellished Dress  
Women Green Printed Strappy Fit and Flare Tiered Dress  
Women Casual Dress  
Filter Applied!  
Based on Price  
Based on Reviews
```

3.

CODE:

```
package com.selenium.TestProject;  
  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
  
import io.github.bonigarcia.wdm.WebDriverManager;  
import org.openqa.selenium.edge.EdgeDriver;  
  
public class CA3 {  
  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        WebDriverManager.edgedriver().setup();  
        WebDriver driver=new EdgeDriver();  
        driver.get("https://www.amazon.in/");  
        driver.manage().window().maximize();  
        String title=driver.getTitle();  
        System.out.println("title:"+title);  
    }  
}
```

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```
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("9489137020") ;  
driver.findElement(By.xpath("//*[@id=\"continue\"]")).click();  
driver.findElement(By.xpath("//*[@id=\"ap_password\"]")).click();  
  
driver.findElement(By.xpath("//*[@id=\"ap_password\"]")).sendKeys("Navadeesh15");  
  
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");  
}
```

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```
//  
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]/di  
v/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_64.1  
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 default logging implementation.  
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 9515  
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
```