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## CA-1 SOLUTIONS

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");
        }
        // 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?crid=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();
        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 {
```

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```
        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();  
        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&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");  
        WebElement  
        cart=driver.findElement(By.xpath("/html/body/div[1]/div[2]/div[3]/div[5]/div[2]/div[1]/div/form/div[2]/div[3]/div[4]/div/div[2]/div[1]/span[1]/span/span[1]/span/span[2]"));  
        if(cart.getText().equals("0")) {  
            System.out.print("Removing from cart is working successfully");  
        }  
    }  
}
```

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```
        else {  
            System.out.print("Removing from cart is not working  
successfully");  
        }  
    }  
}
```

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 httitle="Online Shopping site in India: Shop Online for  
Mobiles, Books, Watches, Shoes and More - Amazon.in";  
        if(title.equals(httitle)) {  
            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?crid=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.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")) {
```

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```
        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();  
        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?crid=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.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")) {
```

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```
        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:

i)

```
Starting Microsoft Edge WebDriver 112.0.1722.68 (82d34b2459d3c3260996f9cc1f0fb469816304b0) on port 20533  
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 22923  
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;
```

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```
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;

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 tiltleElements =
driver.findElements(By.xpath("//h2[@class='a-size-mini a-spacing-none a-
color-base s-line-clamp-2']"));
        for (WebElement titleElement : tiltleElements) {
            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");
    }
}
```

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
```

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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);
        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("94891
        37020") ;
        driver.findElement(By.xpath("//*[@id=\"continue\"]")).click();

        driver.findElement(By.xpath("//*[@id=\"ap_password\"]")).click();

        driver.findElement(By.xpath("//*[@id=\"ap_password\"]")).sendKeys("Na
        vadeesh15");

        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]/d  
iv/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 SimpleDefaultLogger.  
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-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
```