

1) i)

```
package com.testcase;

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;

/**
 * Hello world!
 *
 */
public class App
{
    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.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-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();

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");

}

}

}
```

Output:

```
<terminated> App (1) [Java Application] /Users/deeksith/p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 3
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 8303
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 3:53:59 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
Added to cart is working successfully
```

ii)

```
package com.testcase;

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 App2 {

    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("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&srefix=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"
);

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");

}

}

}

}

```

Output:

```

<terminated> App2 [Java Application] /Users/deeksith/p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:12:31 PM)
SLF4J: No SLF4J providers were found.
SLF4J: <terminated> App2 [Java Application] /Users/deeksith/p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:12:31 PM)
SLF4J: Please see the log for details.
SLF4J: <terminated> App2 [Java Application] /Users/deeksith/p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:12:31 PM)
SLF4J: Please see the log for details.
Start org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:12:31 PM) [pid: 14634]
Only .x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:12:31 PM) [pid: 14634]
Please see the log for details.
Chrom 14634
Apr 12, 2023 4:12:41 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
Removing from cart is working successfully

```

iii)

```
package com.testcase;

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 App2 {

    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("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&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");

}

}

}

}

```

Output:

```

<terminated> App2 [Java Application] /Users/deeksith/p2/pool/plugins/org.eclipse.justi.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:17:31 PM)
SLF4J: No SLF4J providers were found.
SLF4J: <terminated> App2 [Java Application] /Users/deeksith/p2/pool/plugins/org.eclipse.justi.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:17:31 PM)
SLF4J: Please see the log for details.
SLF4J: See https://www.slf4j.org/faq.html#noProviders for further details.
Star org.eclipse.justi.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:17:31 PM)
Only .x86_64_17.0.6.v20230204-1729/jre/bin/java (12-Apr-2023, 4:17:31 PM)
Plea (12-Apr-2023, 4:17:22 pm - 4:18:13 pm) [pid: 14748]
Chro 14748]
Apr 12, 2023 4:17:31 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
Updating cart is working successfully

```

iv)

```

package com.testcase;

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 App2 {

    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("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&prefix=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");

}

}

}

```

Output:

```

<terminated> TC_001 [Java Application] /Users/shyam/.p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.6.v20230204-1729/jre/bin/java
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 146
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 3:12:14 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
Navigated to signin page

```

2)

```

package com.testcase;

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.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class App2 {

    public static void main( String[] args ){

        ChromeOptions co=new ChromeOptions();

        co.addArguments("--remote-allow-origins=*");

        WebDriverManager.chromedriver().setup();//setting up chrome driver

        WebDriver driver=new ChromeDriver();

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

        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/div[2]/div/div/div[1]/h2/a/span"));

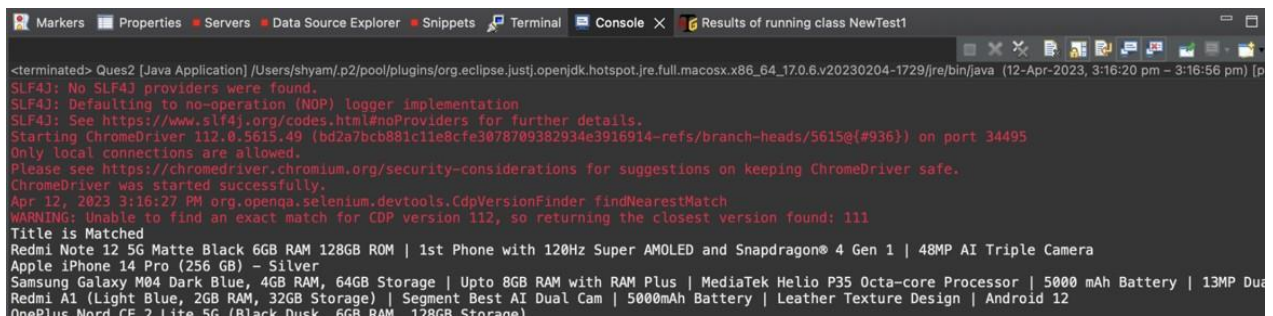
System.out.print("Price 2,000-10,000 & Puma: "+ c.getText());

}

}

```

Output:



```

<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 Dusk, 6GB RAM, 128GB Storage)

```

3)

```

package com.testcase;

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.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;

public class App2 {

    public static void main( String[] args ){

        ChromeOptions co=new ChromeOptions();

        co.addArguments("--remote-allow-origins=*");

        WebDriverManager.chromedriver().setup();

        WebDriver driver=new ChromeDriver();

        driver.get("https://www.amazon.in/ap/signin?openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.in%2F%3Fref_%3Dnav_ya_sigin&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.assoc_handle=inflex&openid.mode=checkid_setup&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0&");

        //signin

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

        driver.findElement(By.xpath("//*[@id=\"ap_email\"]")).sendKeys("6382023425");

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

```

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

driver.findElement(By.xpath("//*[@id=\"ap_password\"]")).sendKeys("deeksith
28");

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");

}

//
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]/div/div/div/div/div[2]/div/div/a")).click();

System.out.println("User is able to view their products");

}

}
```