1)
Code:

```
package com.selenium.cse1;

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 Caq1 {
        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();
                WebElement search=driver.findElement(By.id("twotabsearchtextbox"));
                search.sendKeys("smartphone");
                search.sendKeys(Keys.ENTER);


driver.navigate().to("https://www.amazon.in/Samsung-Storage-Battery-Octa-Core-Processor/dp/B0BZCS
MP95/ref=sr_1_1_sspa?keywords=smartphone&qid=1683188158&sr=8-1-spons&sp_csd=d2lkZ2V0TmFt
ZT1zcF9hdGY&psc=1");

                WebElement add=driver.findElement(By.id("add-to-cart-button"));
                add.click();

                String count=driver.findElement(By.id("nav-cart-count")).getText();
                if(count.equals("1"))
                        System.out.println("Successfully added to cart");
                else
                        System.out.println("Can't add to cart");

                WebElement cart=driver.findElement(By.linkText("Go to Cart"));
                cart.click();
                 driver.findElement(By.xpath("//*[@id=\"a-autoid-0\"]")).click();
                 driver.findElement(By.xpath("//*[@id=\"quantity_2\"]")).isEnabled();
```

```
driver.findElement(By.xpath("//*[@id=\"quantity_2\"]")).click();


            count=driver.findElement(By.className("a-dropdown-prompt")).getText();
            if(count.equals("2")) {
                    System.out.println("Updating cart is working successfully");
            }else {
                    System.out.println("Updating cart is not working");
            }

            WebElement
del=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[2]/span/input"));
            del.click();
            count=driver.findElement(By.id("nav-cart-count")).getText();
            if(count.equals("2"))
                    System.out.println("Successfully removed from cart");
            else
                    System.out.println("Can't remove");

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

driver.findElement(By.xpath("//*[@id=\"ap_email\"]")).sendKeys("pravin4893@gmail.com");
            driver.findElement(By.xpath("//*[@id=\"continue\"]")).click();
            driver.findElement(By.xpath("//*[@id=\"ap_password\"]")).click();
            driver.findElement(By.xpath("//*[@id=\"ap_password\"]")).sendKeys("Pravin@123");
            driver.findElement(By.xpath("//*[@id=\"signInSubmit\"]")).click();

            WebElement
amt=driver.findElement(By.xpath("/html/body/div[5]/div[1]/div/div[2]/div/div/div[2]/div/div[1]/div/div[2]/div/div
[1]/div/table/tbody/tr[4]/td[2]"));
            System.out.println("Total cost : "+amt.getText());

        }

}
```

Output:


```
Console   Debug Shell
<terminated> Caq1 [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe  (04-May-2023, 4:34:20 pm – 4:34:56 pm) [pid: 24928]
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 27383
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Successfully added to cart
Updating cart is working successfully
Successfully removed from cart
Total cost : ?27,980.00
```

2)
Code:

```java
package com.selenium.cse1;

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 Caq2 {

        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();
                WebElement search=driver.findElement(By.id("twotabsearchtextbox"));
                search.sendKeys("smartphone");
                search.sendKeys(Keys.ENTER);
                Thread.sleep(3000);
                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());
                }

                WebElement price=driver.findElement(By.id("p_36/1318506031"));
                price.click();

                WebElement
brand=driver.findElement(By.xpath("/html/body/div[1]/div[2]/div[1]/div[2]/div/div[3]/span/div[1]/div/div/div[4]/ul/span[1]/li/span/a/span"));
                brand.click();


        }
}
```

Output:

```
<terminated> Cadc [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (04-May-2023, 3:55:55 pm - 3:56:56 pm) [pid 2703e]
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Samsung Galaxy M14 5G (ICY Silver, 4GB, 128GB Storage) | 50MP Triple Cam | 6000 mAh Battery | 5nm Octa-Core Processor | Android 13 | Without C
realme narzo N55 (Prime Blue, 6GB+128GB) 33W Segment Fastest Charging | Super High-res 64MP Primary AI Camera
realme narzo 50i Prime (Dark Blue 4GB RAM+64GB Storage) Octa-core Processor | 5000 mAh Battery
Redmi 10A (Slate Grey, 4GB RAM, 64GB Storage) | 2 Ghz Octa Core Helio G25 | 5000 mAh Battery | Finger Print Sensor | Upto 5GB RAM with RAM Boo
OnePlus Nord CE 3 Lite 5G (Chromatic Gray, 8GB RAM, 256GB Storage)
```

3)
Code:

```java
package question1;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

/**
 * Hello world!
 *
 */
public class first3
{
    public static void main( String[] args ) throws InterruptedException
    {
        WebDriverManager.chromedriver().setup();
            ChromeOptions co = new ChromeOptions();
            co.addArguments("--remote-allow-origins=*");
            WebDriver driver=new ChromeDriver(co);
            driver.get("https://www.amazon.in/ref=nav_logo");
            driver.manage().window().maximize();
            String title=driver.getTitle();
            System.out.println(title);
            if(title.equals("Online Shopping site in India: Shop Online for Mobiles, Books, Watches,
Shoes and More - Amazon.in")) {
                System.out.println("Verified title of the page");
            }else {
                System.out.println("Title not matched");
            }

            driver.findElement(By.id("nav-link-accountList")).click();
```

```
                driver.findElement(By.id("ap_email")).sendKeys("727721euit083@skcet.com");
                driver.findElement(By.id("ap_email")).sendKeys(Keys.ENTER);
                driver.findElement(By.id("ap_password")).sendKeys("Mahesh@123");
                driver.findElement(By.id("ap_password")).sendKeys(Keys.ENTER);
//              Thread.sleep(2000);
                String name=driver.findElement(By.id("nav-link-accountList-nav-line-1")).getText();
                if(name.equals("Hello")) {
                        System.out.println("Successfully, signed in");
                }else {
                        System.out.println("Sign in failed");
                }
                System.out.println("Tested Finished");

        driver.quit();
    }
}
```

Output: