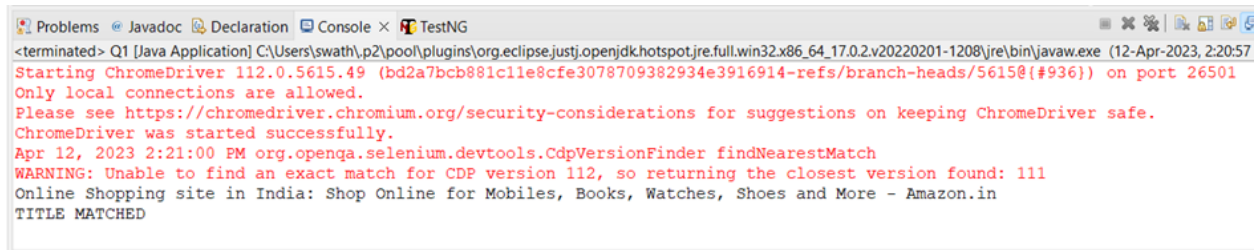


Mandatory:

```
package com.test.test;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
public class cia1
{
    public static void main( String[] args ) throws InterruptedException
    {
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver d=new ChromeDriver(co);
        d.get("https://www.amazon.in/");
        d.manage().window().maximize();
        String currentTitle=d.getTitle();
        System.out.println(currentTitle);
        String expectedTitle="Online Shopping site in India: Shop Online for Mobiles, Books,
Watches, Shoes and More - Amazon.in";
        if(currentTitle.equals(expectedTitle)) {
            System.out.println("TITLE MATCHED");
        }
        else {
            System.out.println("TITLE DOES NOT MATCH");
        }
    }
}
```



```
<terminated> Q1 [Java Application] C:\Users\swath\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (12-Apr-2023, 2:20:57)
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 26501
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 2:21:00 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
Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
TITLE MATCHED
```

Question 1:

```
package com.test.test;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
public class cia1
{
    public static void main( String[] args ) throws InterruptedException
    {
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver d=new ChromeDriver(co);
        d.get("https://www.amazon.in/");
        d.manage().window().maximize();
        String currentTitle=d.getTitle();
        System.out.println(currentTitle);
        String expectedTitle="Online Shopping site in India: Shop Online for Mobiles, Books,
Watches, Shoes and More - Amazon.in";
        if(currentTitle.equals(expectedTitle)) {
            System.out.println("TITLE MATCHED");
        }
        else {
            System.out.println("TITLE DOES NOT MATCH");
        }
        d.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
        Thread.sleep(5000);
        Boolean present =
        d.findElement(By.xpath("//*[@id=\"attach-close_sideSheet-link\"]")).isDisplayed();
        System.out.println("Is item added to cart:" + present);
        d.get("https://www.amazon.in/gp/cart/view.html/ref=dp_atrch_dss_cart?");
        Thread.sleep(5000);
        d.findElement(By.xpath("//*[@value=\"Delete\"]")).click();
        Thread.sleep(2000);
        String removeText =
        d.findElement(By.xpath("//*[@id=\"sc-active-cart\"]/div/div[1]/div/h1")).getText();
        String extext = "Your Amazon Cart is empty.";
        if(removeText.equals(extext)) {
            System.out.println("Product is removed");
        }
    }
}
```

```

d.get("https://www.amazon.in/ASUS-15-6-inch-GeForce-Windows-FA506IHRZ-HN111W
/dp/B0B5DZTNZQ?ref_=Oct_DLandingS_D_6c1a28b8_61");
d.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
Thread.sleep(2000);
d.get("https://www.amazon.in/gp/cart/view.html/ref=dp_atch_dss_cart?");
Thread.sleep(5000);
d.findElement(By.xpath("//*[@id=\"a-autoid-0-announce\"]")).click();
d.findElement(By.xpath("//*[@id=\"quantity_2\"]")).click();
Thread.sleep(2000);
d.findElement(By.xpath("//*[@name=\"proceedToRetailCheckout\"] "));
Thread.sleep(1000);
String sign = d.getTitle();
System.out.println(sign);
String esign = "Amazon Sign In";
if(sign.equals(esign)) {
    System.out.println("Success");
}
else {
    System.out.println("Failure");
}
}
}
}

```

```

SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914 - refs/branch-heads/5615@{#916}) on port 31046
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 3:23:30 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
ASUS TUF Gaming A15, 15.6-inch (39.62 cms) FHD 144Hz, AMD Ryzen 5 4600H, 4GB NVIDIA GeForce GTX 1650, Gaming Laptop (8GB/512GB SSD/Windows 11/Black/2.3 Kg), FA506IHRZ-HN111W
Title is matching
Is item added to cart:true
Product is removed
Amazon.in Shopping Cart
Failure

```

Question 2:

```

package com.test.test;
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;
public class CA1Q2 {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
    }
}

```

```

ChromeOptions co=new ChromeOptions();
co.addArguments("--remote-allow-origins=*");
WebDriver d=new ChromeDriver(co);
d.get("https://www.amazon.in/");
d.manage().window().maximize();
String currentTitle=d.getTitle();
System.out.println(currentTitle);
String expectedTitle="Online Shopping site in India: Shop Online for Mobiles,
Books, Watches, Shoes and More - Amazon.in";
if(currentTitle.equals(expectedTitle)) {
    System.out.println("TITLE MATCHED");
}
else {
    System.out.println("TITLE DOES NOT MATCH");
}

WebElement txtBox1=d.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]"));
txtBox1.sendKeys("macbook");
d.findElement(By.xpath("//*[@id=\"nav-search-submit-button\"]")).click();
//displaying 5 products
String
txt1=d.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[3]/div/
div/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();
System.out.println(txt1);
String
txt2=d.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[4]/div/
div/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();
System.out.println(txt2);
String
txt3=d.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[5]/div/
div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();
System.out.println(txt3);
String
txt4=d.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[6]/div/
div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();
System.out.println(txt4);
String
txt5=d.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[7]/div/
div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();
System.out.println(txt5);
//filter

```

```

d.findElement(By.xpath("//*[@id=\"p_36/7252032031\"]/span/a/span")).click();
d.findElement(By.xpath("//*[@id=\"p_n_pattern_browse-bin/1464446031\"]/span/a/span"
)).click();
}
}

```

```

Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 31593
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 3:36:18 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
Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
Title Matched
Apple 2020 MacBook Air Laptop M1 chip, 13.3-inch/33.74 cm Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, FaceTime HD Camera, Touch ID. Works with iPhone/iPad;
Apple 2022 MacBook Air Laptop with M2 chip: 34.46 cm (13.6-inch) Liquid Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, 1080p FaceTime HD Camera. Works with iPh
Apple 2020 MacBook Air Laptop M1 chip, 13.3-inch/33.74 cm Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, FaceTime HD Camera, Touch ID. Works with iPhone/iPad;
Apple 2020 MacBook Air Laptop M1 chip, 13.3-inch/33.74 cm Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, FaceTime HD Camera, Touch ID. Works with iPhone/iPad;
Apple 2022 MacBook Air Laptop with M2 chip: 34.46 cm (13.6-inch) Liquid Retina Display, 8GB RAM, 256GB SSD Storage, Backlit Keyboard, 1080p FaceTime HD Camera. Works with iPh

```

QUESTION 3:

```

package com.test.test;
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;
public class CA1Q3 {
    public static void main(String[] args) {

        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver d=new ChromeDriver(co);
        d.get("https://www.amazon.in/");
        d.manage().window().maximize();
        String currentTitle=d.getTitle();
        System.out.println(currentTitle);
        String expectedTitle="Online Shopping site in India: Shop Online for
Mobiles, Books, Watches, Shoes and More - Amazon.in";
        if(currentTitle.equals(expectedTitle)) {
            System.out.println("TITLE MATCHED");
        }
        else {
            System.out.println("TITLE DOES NOT MATCH");
        }
    }
}

```

```

        d.findElement(By.xpath("//*[@id=\"nav-link-accountList\"]")).click();
        WebElement txtBox1=d.findElement(By.xpath("//*[@id=\"ap_email\"]"));
        txtBox1.sendKeys("6369162813");
        d.findElement(By.xpath("//*[@id=\"continue\"]")).click();
        WebElement
txtBox2=d.findElement(By.xpath("//*[@id=\"ap_password\"]"));
        txtBox2.sendKeys("Vijay@23");
        d.findElement(By.xpath("//*[@id=\"signInSubmit\"]")).click();

        d.findElement(By.xpath("//*[@id=\"nav-link-accountList\"]")).click();

        d.findElement(By.xpath("//*[@id=\"a-page\"]/div[2]/div/div[2]/div[1]/a/div/div")).click();
        d.findElement(By.xpath("//*[@id=\"a-autoid-2-announce\"]")).click();

        d.findElement(By.xpath("//*[@id=\"ordersInPackage-container\"]/div/div/a[1]")).click();

    }
}

```