

## CIA 1

### Q1:

#### CODE:

```
package com.selenium.softwaretesting.test1;

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 cal_1 {

    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("iphone");
```

```
driver.findElement(By.xpath("//*[@id=\"nav-search-submit-  
button\"]")).click();

Thread.sleep(2000);

//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  
")).click();

driver.navigate().to("https://www.amazon.in/Apple-iPhone-14-128-  
GB/dp/B0BXQ2V3NJ/ref=sr_1_1_sspa?keywords=iphone&qid=1683189877&sr=8-1-  
spons&sp_csd=d2lkZ2V0TmFtZTlzcF9hdGY&psc=1") ;

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

WebElement cart=driver.findElement(By.xpath("//*[@id=\"nav-cart-  
count\"]"));

if(cart.getText().equals("1")) {

    System.out.println("Added to cart is working successfully");

}

else {

    System.out.println("Added to cart is not working  
successfully");

}

Thread.sleep(3000);

WebElement RemoveCart=driver.findElement(By.className("a-button-input"));

RemoveCart.click();

Thread.sleep(3000);

if(cart.getText().equals("0")) {

    System.out.println("Removing from cart is working successfully");

}

else {

    System.out.println("Removing from cart is not working successfully");

}

driver.navigate().to("https://www.amazon.in/Apple-iPhone-14-128-  
GB/dp/B0BXQ2V3NJ/ref=sr_1_1_sspa?keywords=iphone&qid=1683189877&sr=8-1-  
spons&sp_csd=d2lkZ2V0TmFtZTlzcF9hdGY&psc=1") ;
```

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

driver.findElement(By.className("nav-cart-icon nav-sprite")).click();

driver.findElement(By.className("a-button-text a-declarative")).click();

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

Thread.sleep(3000);


if(cart.getText().equals("2")) {

    System.out.print("Updating cart is working successfully");

}

else {

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

}


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)) {

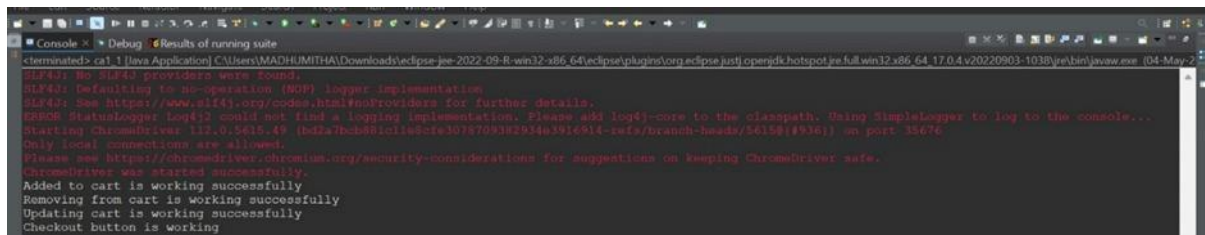
    System.out.print("Checkout button is working");

}


driver.quit();

}
```

## OUTPUT:



## Q2:

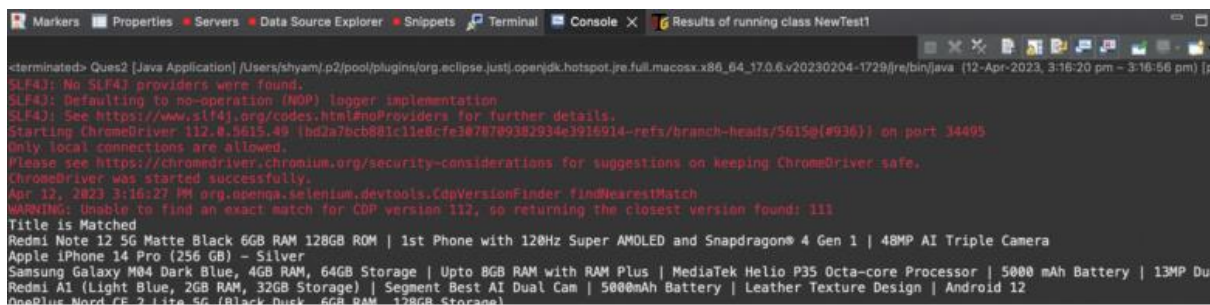
```
package com.selenium.softwaretesting.test1;
import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;
public class CA1Q2 {
    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:



The screenshot shows a terminal window with the following output:

```
<terminated> Quest2 [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, 3:18:20 pm ~ 3:18:56 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 (bd2a76cb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@#936) on port 34485
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 3:18:27 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 Du
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 Duck, 6GB RAM, 128GB Storage)
```

Q3:

CODE:

```
package com.selenium.softwaretesting.test1;
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 ){
    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_signin&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("deeksith28");

    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();  
  
        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/d  
iv[1]/div/div[3]/div/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  
3bf40: See https://www.sif4j.org/codes.html#noProviders for further details.  
ERROR StatusLogger Log4j2 could not find a logging implementation. Please add log4j-core to the classpath. Using Sij  
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refa/branch-heads/56158(#936)) on port  
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
```