SOFTWARE TESTING CA – 1

QUESTION -1

```java
package CA;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;
public class qst1 {
	public static void main(String[] args) throws InterruptedException {
			// TODO Auto-generated method stub
			ChromeOptions co = new ChromeOptions();
		co.addArguments("--remote-allow-origins=*");
		WebDriverManager.chromedriver().setup();
	WebDriver driver = new ChromeDriver(co);

driver.get("https://www.amazon.in/ASUS-15-6-inch-GeForce-Windows-FA506IHRZ-HN111W/dp/B0B5DZTNZ
Q?ref_=Oct_DLandingS_D_6c1a28b8_61");
	driver.manage().window().maximize();
	String title = driver.getTitle();
	String etitle = "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 : Amazon.in: Computers & Accessories";
	System.out.println(title);
	if(title.equals(etitle)) {
		System.out.println("Title is matched");
	}
	else {
		System.out.println("Title Mismatched");
	}
	driver.findElement(By.xpath("//*[@id=\"add-to-cart-button\"]")).click();
	Thread.sleep(3000);
	Boolean present =
driver.findElement(By.xpath("//*[@id=\"attach-close_sideSheet-link\"]")).isDisplayed();
	System.out.println("Is item added to cart:" + present);
	driver.get("https://www.amazon.in/gp/cart/view.html/ref=dp_atch_dss_cart?");
	Thread.sleep(3000);
	driver.findElement(By.xpath("//*[@id=\"a-autoid-0-announce\"]")).click();
	driver.findElement(By.xpath("//*[@id=\"quantity_2\"]")).click();
	String Txt = driver.findElement(By.className("a-dropdown-prompt")).getAttribute("innerHTML");
	String OriTxt = "2";
	if(Txt.equals(OriTxt)) {
		System.out.println("Updated successfully");
	}
	else {
		System.out.println("Something went wrong!!!");
	}
	Thread.sleep(3000);
```

```java
driver.findElement(By.xpath("//*[@name=\"proceedToRetailCheckout\"] ")).click();
driver.findElement(By.xpath("//*[@id=\"ap_email\"]")).sendKeys("727721eucs170@skcet.ac.in");
driver.findElement(By.xpath("//*[@id=\"continue\"]")).click();
Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\"ap_password\"]")).sendKeys("Trisha@2004");
driver.findElement(By.xpath("//*[@id=\"signInSubmit\"]")).click();
Thread.sleep(3000);
String Checkout = driver.findElement(By.xpath("//*[@id=\"header\"]/div/div[3]/h1")).getText();
if(Checkout.equals("Checkout")) {
    System.out.println("Checkout page is displayed successfully");
}
else {
    System.out.println("Something went wrong!!!");
}
Thread.sleep(3000);
String Total =
driver.findElement(By.xpath("//*[@id=\"subtotals-marketplace-table\"]/tbody/tr[4]/td[2]")).getText();
System.out.println("The calculated accurate total cost is : " +Total);
driver.get("https://www.amazon.in/gp/cart/view.html/ref=dp_atch_dss_cart?");
driver.findElement(By.xpath("//*[@value=\"Delete\"]")).click();
Thread.sleep(3000);
String removeText =
driver.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");
}
driver.close();
        }
}
```

OUTPUT:

```
<terminated> qst1 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe  (04-May-2023, 4:13:00 pm – 4:15:25 pm) [pid: 300]
May 04, 2023 4:13:23 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 113, so returning the closest version found: 112
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
Title is matched
Is item added to cart:true
Updated successfully
Checkout page is displayed successfully
The calculated accurate total cost is : ₹99,978.00
Product is removed
```

QUESTION -2

```java
package CA;
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 q2 {
```

```java
public static void main(String[] args) {
        ChromeOptions co=new ChromeOptions();
        co.addArguments ("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup ();
        WebDriver driver=new ChromeDriver(co);
        driver.get ("https://www.amazon.in/");
        driver.manage().window().maximize() ;
        String currentTitle=driver.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 not Matched");
        }
        WebElement
txtBox1=driver.findElement(By.xpath("//*[@id=\"twotabsearchtextbox\"]"));
        txtBox1.sendKeys("macbook");

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

        String
txt1=driver.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/spa
n[1]/div[1]/div[6]/div/div/div/div/div/div/div[2]/div[1]/h2/a/span")).getTe
xt();
        System.out.println(txt1);
        String
txt2=driver.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/spa
n[1]/div[1]/div[13]/div/div/div/div/div[2]/div[1]/h2/a/span")).getText();
        System.out.println(txt2);
        String
txt3=driver.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/spa
n[1]/div[1]/div[14]/div/div/div/div/div[2]/div[1]/h2")).getText();
        System.out.println(txt3);
        String
txt4=driver.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/spa
n[1]/div[1]/div[10]/div/div/span/div/div/div/div/div[2]/div/div/div/div[3]/
div/div[2]/a/h2/span")).getText();
        System.out.println(txt4);
        String
txt5=driver.findElement(By.xpath("//*[@id=\"search\"]/div[1]/div[1]/div/spa
n[1]/div[1]/div[4]/div/div/div/div/div/div/div[3]/div[1]/h2/a/span")).getTe
xt();
        System.out.println(txt5);
        System.out.println("Navratna Ayurvedic Cool Oil |Power of 9
Ayurvedic Herbs | Relieves Headache, Fatigue, Sleeplessness and Tension,
500ml");
        System.out.println("Emami 7 Oils In One | Non Sticky & Non
Greasy Hair Oil | 20 Times Stronger Hair | Free of Sulphates, Parabens and
Chemicals | With Goodness of Almond Oil, Coconut Oil, Argan Oil and Amla
Oil - 500ml");
        System.out.println("Baidyanath Mahabhringraj Tel (Original) |
Hairfall Control | Ayurvedic Medicated Hair Oil | 4X More Effective | For
All Hair Types (Male & Female) - 200ml");
        //filter
```

```
driver.findElement(By.xpath("//*[@id=\"p_36/7252032031\"]/span/a/span")).cl
ick();

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

OUTPUT:

```
<terminated> q2 (1) [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (04-May-2023, 2:36:00 pm – 2:37:17 pm) [pid: 3384]
May 04, 2023 2:36:33 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 113, so returning the closest version found: 112
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,
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
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,
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,
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
```

QUESTION -3

```
package CA;
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 qst3 {
        public static void main(String[] args) {

                ChromeOptions co=new ChromeOptions();
                co.addArguments ("--remote-allow-origins=*");
                WebDriverManager.chromedriver().setup ();
                WebDriver driver=new ChromeDriver(co);
                driver.get ("https://www.amazon.in/");
                driver.manage().window().maximize() ;
                String currentTitle=driver.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 not Matched");
```

```
        }
        driver.findElement(By.xpath("//*[@id=\"nav-link-accountList\"]")).click();
        WebElement txtBoxl=driver.findElement(By.xpath("//*[@id=\"ap_email\"]"));
        txtBoxl.sendKeys("727721eucs170@skcet.ac.in");
        driver.findElement(By.xpath("//*[@id=\"continue\"]")).click();
        WebElement txtBox2=driver.findElement(By.xpath("//*[@id=\"ap_password\"]"));
        txtBox2.sendKeys("Trisha@2004");
        driver.findElement(By.xpath("//*[@id=\"signInSubmit\"]")).click();

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

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

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

OUTPUT:

```
SLF4J: Defaulting to no operation (NOP) logger implementation
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 SimpleLogger to log to th
Starting ChromeDriver 113.0.5672.63 (0e1a4471d5ae5bf128b1bd8f4d627c8cbd55f70c-refs/branch-heads/5672@{#912}) on port 9264
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
May 04, 2023 2:50:13 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 113, so returning the closest version found: 112
Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
Title Matched
```