Q.NO:1

1.

```java
package com.Selenium.Test.selenium1;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import org.openqa.selenium.edge.EdgeDriver;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.ui.Select;

import dev.failsafe.internal.util.Assert;

import io.github.bonigarcia.wdm.WebDriverManager;

public class Q1 {

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.manage().window().maximize();

driver.get("https://www.amazon.in/Anne-Diamond-Analog-Womens-Watch-
AK3686BKGB/dp/B0968Q7L3M/ref=sr_1_1_sspa?crid=293FS4VHUVN6K&keywords=watche
s&qid=1681287782&sprefix=watches%2Caps%2C323&sr=8-1-
spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1");

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

```java
String t=driver.getTitle();

System.out.println(t);

String
cart=driver.findElement(By.xpath("//*[@id=\"NATC_SMART_WAGON_CONF_MSG_SUCCE
SS\"]/span")).getText();

if(cart.equals("Added to cart"));

System.out.println("1. Verified that Product added to cart ");

driver.navigate().back();

WebElement sort1=driver.findElement(By.xpath("//*[@id=\"quantity\"]"));

sort1.click();

Select select=new Select(sort1);

select.selectByIndex(1);

String
drop=driver.findElement(By.xpath("//*[@id=\"quantity\"]")).getText();

if(drop.equals("2"));

System.out.println("3. Verified that Product is updated to cart ");

}

}
```

OUTPUT:

Q.NO:2.

1.

```java
package com.selenium.test1.Selenium;

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 search2 {
        public static void main(String[] args) {
            // Set the path to the chromedriver executable
            System.setProperty("webdriver.chrome.driver", "/path/to/chromedriver");

            WebDriverManager.chromedriver().setup();
                ChromeOptions co=new ChromeOptions();
                co.addArguments("--remote-allow-origins=*");
                WebDriver driver=new ChromeDriver(co);
                driver.get("https://www.amazon.com/");
                driver.manage().window().maximize();
            System.out.println("Page Title: " + driver.getTitle());

            String name = driver.getTitle();
                    System.out.println(name);
                    String title = "Online Shopping site in India: Shop Online for Mobiles, Books,
Watches, Shoes and More - Amazon.in";
                    if(name.equals(title)) {
                        System.out.println("Validated Page Title");
                    }
```

```java
        driver.findElement(By.id("twotabsearchtextbox")).sendKeys("bag");

        driver.findElement(By.id("nav-search-submit-button")).click();


        String expectedSearchTitle = "Amazon.com : bag";

        String actualSearchTitle = driver.getTitle();

        if (actualSearchTitle.contains(expectedSearchTitle)) {

            System.out.println("Search is successfull");

        } else {

            System.out.println("Search is failed!");

        }


        driver.quit();

    }


}
```

OUTPUT:

Markers ▭ Properties 🔧 Servers 📖 Data Source Explorer 📄 Snippets 🖥 Terminal 🖵 Console ✕ 🔲 Progress

<terminated> QNo2 [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (12-Apr-2023, 4:20:59 pm – 4:21:49 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 111.0.5563.64 (c710e93d5b63b7095afe8c2c17df34408078439d-refs/branch-heads/5!
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping Cl
ChromeDriver was started successfully.
Budget Laptops under INR 45000; Mega Electronic Days
It is corret page title
ASUS VivoBook 15 (2021), 15.6-inch (39.62 cm) HD, Dual Core Intel Celeron N4020, Thin and Light L:

2.

```java
package com.Selenium.test1;

import java.util.List;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
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 QNo2 {

	public static void main(String args[]) {
		WebDriverManager.chromedriver().setup();
		ChromeOptions co=new ChromeOptions();
		co.addArguments("--remote-allow-origins=*");
		WebDriver driver=new ChromeDriver(co);

	driver.get("https://www.amazon.in/deal/2c2d3a50/?_encoding=UTF8&showVariations=true
&_ref=dlx_gate_sd_dcl_tlt_2c2d3a50_dt&pd_rd_w=YgMyt&content-id=amzn1.sym.a532052b-26f3-
4811-a261-3b35ffa57237&pf_rd_p=a532052b-26f3-4811-a261-
3b35ffa57237&pf_rd_r=SWJFXC5PAM03PF4G0AWT&pd_rd_wg=6zviy&pd_rd_r=1f436e7b-ab36-
4c27-9e50-8f8c69db422a&ref_=pd_gw_unk");
		driver.manage().window().maximize();

		JavascriptExecutor js=(JavascriptExecutor) driver;
		js.executeScript("window.scrollBy(0,1000)","");

		String title = driver.getTitle();
```

```
System.out.println(title);

String title2="Budget Laptops under INR 45000; Mega Electronic Days";

//title2=driver.getTitle();

if(title2.equals(title)) {

        System.out.println("It is corret page title");

}


List<WebElement>li=driver.findElements(By.xpath("//*[@id=\"octopus-dlp-asin-
stream\"]/ul/li[2]/span/div/div[2]/div[1]/a"));

for(WebElement link:li) {

        System.out.println(link.getText());

}


driver.navigate().back();

driver.navigate().forward();

driver.navigate().refresh();

driver.quit();


    }
}
```
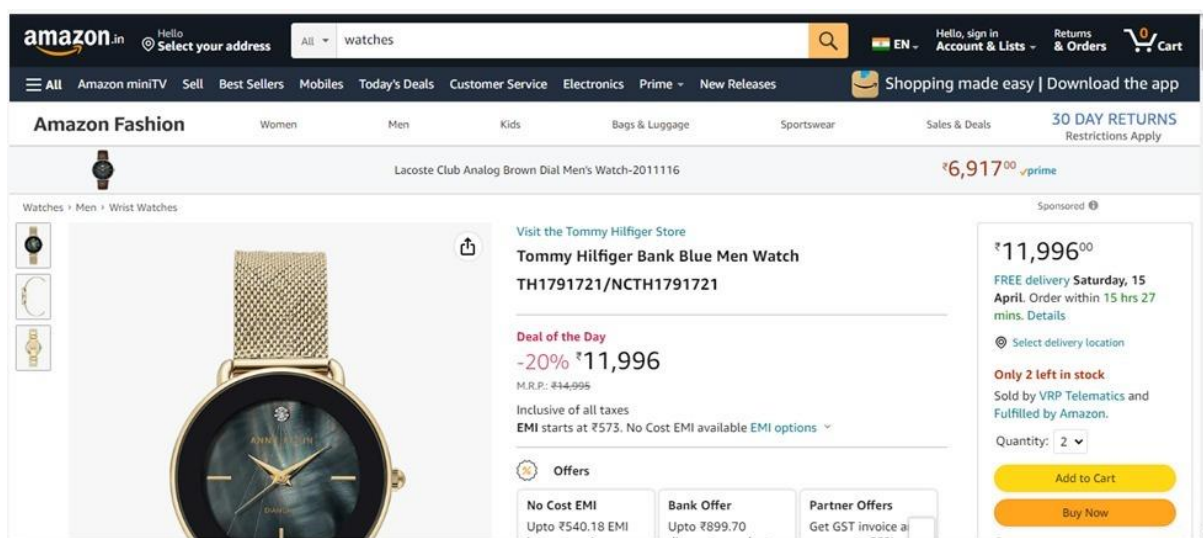
OUTPUT:

Q.NO:3.

```java
package com.Selenium.Test.selenium1;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

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 org.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

public class Q3 {

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");
```

```java
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("727721euit042@gmail.com");

driver.findElement(By.id("ap_email")).sendKeys(Keys.ENTER);

driver.findElement(By.id("ap_password")).sendKeys("gow2003*");

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, Feviliya")) {

System.out.println("Successfully, signed in");

}else {

System.out.println("Sign in failed");

}

System.out.println("Testing Ended");

driver.quit();

}

}
```

OUTPUT:

<terminated> App (1) [Java Application] C:\Program Files\Java\jdk-19\bin\javaw.exe (12-Apr-2023, 3:51:36 pm – 3:52:26 pm) [pid: 8920]
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bc8881c11e8cfe3878582934e1918914-refs/branch-heads/5615@{#936}) on port 18337
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 3:51:41 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
Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in
Verified title of the page
Successfully, signed in
Testing Ended