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CA1

1)

```
package com.selenium.test.NewTest2.SelTest;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
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 App
{
    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/ASUS-15-6-inch-Integrated-Transparent-X515MA-BR011W/dp/B09SGGB687?ref_=Oct_DLandingS_D_2c2d3a50_61&th=1");
        driver.manage().window().maximize();
        String title=driver.getTitle();
        System.out.println(title);
        if(title.equals("Amazon.in: Buy ASUS VivoBook 15 (2021), 15.6-inch (39.62 cm) HD, Dual Core Intel Celeron N4020, Thin and Light Laptop (4GB RAM/256GB SSD/Integrated Graphics/Windows 11 Home/Transparent Silver/1.8 Kg), X515MA-BR011W Online at Low Prices in India | ASUS Reviews & Ratings")) {
            System.out.println("Verified title of the page");
        }else {
            System.out.println("Title not matched");
        }
        JavascriptExecutor js=(JavascriptExecutor) driver;
        js.executeScript("window.scrollTo(0,1000)","");

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

```

        System.out.println("Verified Add to Cart button");

        String lnk=driver.findElement(By.id("//*[@id=\"authportal-main-section\"]/div[2]/div/div[1]/form/div/div/div/h1")).getText();
        if(lnk.equals("Sign in")) {
            System.out.println("Sign in page landed");
        }else {
            System.out.println("Wrong page landed");
        }

        driver.quit();
    }
}

```

### OUTPUT:

The screenshot shows an IDE with the following components:

- Package Explorer:** Shows a project structure with packages like `com.selenium.test.seleniumTest1` and `com.selenium.test.NewTest2.SelTest`.
- Source Editor:** Displays the Java code for `SelTest.java`, which includes imports for Selenium and WebDriver, and a `main` method that sets up a ChromeDriver, navigates to an Amazon page, and prints the page title.
- Console:** Shows the output of the program, including log messages from SLF4J and Selenium, and the final output: `Verified title of the page` and `Verified Add to Cart button`.

```

package com.selenium.test.NewTest2.SelTest;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
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;

/**
 * Hello world!
 */
public class App {
    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/ASUS-15-6-inch-Integrated-Transparent-X515MA-BR011W/dp/B095GG6877ref_=oOct_D_landing5_D_2c2d3a50_61&th=1");
        driver.manage().window().maximize();
        String title=driver.getTitle();
        System.out.println(title);
        if(title.equals("Amazon.in: Buy ASUS Vivobook 15 (2021), 15.6-inch (39.62 cm) HD, Dual Core Intel Celeron N4020, Thin and Light Laptop (4GB RAM/256GB SSD/Integrated Graphics/Windows 11 Home
Verified title of the page
Verified Add to Cart button

```

2)

```
package com.selenium.test.NewTest2.SelTest;

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 App
{
    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("twotabsearchtextbox")).sendKeys("phone");
        driver.findElement(By.id("twotabsearchtextbox")).sendKeys(Keys.ENTER);
        System.out.println("Searched Item successfully");
    }
}
```

```

        driver.findElement(By.id("a-autoid-0-announce")).click();
        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());
        }
        System.out.println("User is able to filter by search");

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

        driver.quit();
    }
}

```

### OUTPUT:

The screenshot shows an IDE with a Selenium test class. The code in the main method performs the following actions:

- Setup WebDriver with ChromeDriver and ChromeOptions (allowing remote connections).
- Get the page title and verify it matches "Online Shopping site in India: Shop Online for Mobiles, Books, Watches, Shoes and More - Amazon.in".
- Send "phone" to the search bar and press Enter.
- Click on the "a-autoid-0-announce" link.
- Print the text of the link.
- Print "Testing Ended".
- Quit the driver.

The console output shows the following messages:

```

Starting ChromeDriver 112.0.5615.49 (b02476c881c11e8cfe3078709382934e2918914-r6rs/branch-heads/56158(+938)) on port 23185
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 3:37:04 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
Searched Item successfully
User is able to filter by search
Testing Ended

```

3)

```
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:

