

SELENIUM:

Selenium is a popular software testing tool that is open-source and supports most browsers and operating systems. It's perhaps most popularly known for allowing testers to automate in any preferred programming language.

How to download selenium:

Go to the official website of selenium(<https://www.selenium.dev/>)

After getting into website the page will be like in the below:

The screenshot shows a browser window with the Selenium homepage loaded. The address bar displays 'selenium.dev'. The main content features a green header with the text 'SeleniumConf Chicago 2023 is a wrap! [Watch the Videos](#)'. Below this, a large white text area contains the slogan 'Selenium automates browsers. That's it!' and the subtext 'What you do with that power is entirely up to you.' It also states that primarily it is for automating web applications for testing purposes, but is certainly not limited to just that. Boring web-based administration tasks can (and should) also be automated as well.

Getting Started



Selenium WebDriver

If you want to create robust, browser-based regression automation suites and tests, scale and distribute scripts across many environments, then you want to use Selenium WebDriver, a collection of language specific bindings to drive a browser - the way it is meant to be driven.

[READ MORE >](#)

Selenium IDE

If you want to create quick bug reproduction scripts, create scripts to aid in automation-aided exploratory testing, then you want to use Selenium IDE; a Chrome, Firefox and Edge add-on that will do simple record-and-playback of interactions with the browser.

[READ MORE >](#)

Selenium Grid

If you want to scale by distributing and running tests on several machines and manage multiple environments from a central point, making it easy to run the tests against a vast combination of browsers/OS, then you want to use Selenium Grid.

[READ MORE >](#)

Click on to downloads and the page will like below.And click java and download

The screenshot shows a browser window with the Selenium website open. The address bar displays 'selenium.dev/downloads/'. The main content area has a blue header with the text 'SeleniumConf Chicago 2023 is a wrap! [Watch the Videos](#)'. Below this, a large blue section is titled 'Downloads' with the subtext 'Below is where you can find the latest releases of all the Selenium components. You can also find a list of previous releases, source code, and additional information for Maven users.' At the bottom of this section, there are links for 'C#' (purple hexagon icon), 'Ruby' (red gem icon), 'Java' (coffee cup icon), 'Python' (blue snake icon), and 'JS' (yellow square icon). Each language section includes a 'Stable' release link (e.g., '4.12.4 (September 4, 2023)'), a 'Changelog' link, and an 'API Docs' link.

Selenium Clients and WebDriver Language Bindings

In order to create scripts that interact with the Selenium Server (Remote WebDriver) or create local Selenium WebDriver scripts, you need to make use of language-specific client drivers.

While language bindings for [other languages exist](#), these are the core ones that are supported by the main project hosted on GitHub.



C#
Stable: [4.12.4 \(September 4, 2023\)](#)
[Changelog](#)
[API Docs](#)



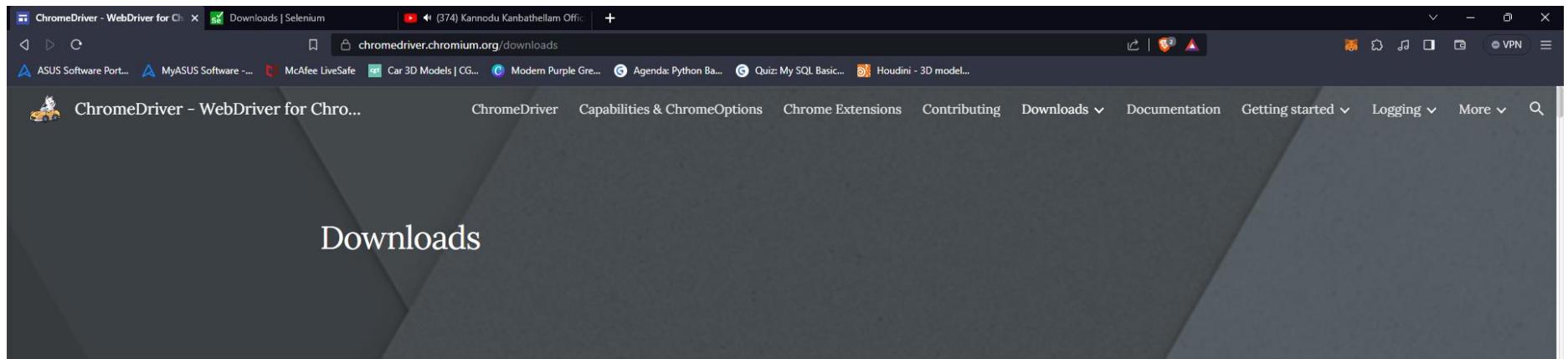
Ruby
Stable: [4.12.0 \(August 31, 2023\)](#)
[Changelog](#)
[API Docs](#)



Java
Stable: [4.12.1 \(September 4, 2023\)](#)
[Changelog](#)
[API Docs](#)



**After downloading the selenium the next part will be download chromedriver
To download chromedriver(<https://chromedriver.chromium.org/downloads>)**



Current Releases

- If you are using Chrome version 115 or newer, please consult [the Chrome for Testing availability dashboard](#). This page provides convenient JSON endpoints for specific ChromeDriver version downloading.
- For older versions of Chrome, please see below for the version of ChromeDriver that supports it.

For more information on selecting the right version of ChromeDriver, please see the [Version Selection](#) page.

ChromeDriver 114.0.5735.90

Supports Chrome version 114

For more details, please see the [release notes](#).

ChromeDriver 114.0.5735.16

Supports Chrome version 114

For more details, please see the [release notes](#).

ChromeDriver 113.0.5672.63

Supports Chrome version 113

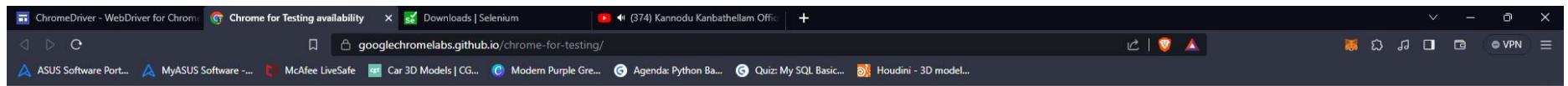
- Resolved issue 4205: Same object ids in Classic and BiDi [Pri-1]
- Resolved issue 4302: Don't assume that Mapper is in the first tab in ExecuteGetWindowHandles [Pri-1]
- Resolved issue 4356: Chrome 110 not utilizing pref value "download.default_directory" [Pri-1]

①

30°C Partly sunny 18:41 ENG IN 06-09-2023

Based on the chrome version your chromedriver wants to be download.

This is for chrome version 1.6



Chrome for Testing availability

This page lists the latest available cross-platform Chrome for Testing versions and assets per Chrome release channel.

Consult [our JSON API endpoints](#) if you're looking to build automated scripts based on Chrome for Testing release data.

Last updated @ 2023-09-06T13:09:22.511Z

Channel	Version	Revision	Status
<u>Stable</u>	116.0.5845.96	r1160321	✓
<u>Stable (upcoming)</u>	116.0.5845.179	r1160321	✗
<u>Beta</u>	117.0.5938.35	r1181205	✓
<u>Dev</u>	118.0.5979.0	r1189757	✓
<u>Canary</u>	118.0.5982.0	r1190646	✓
<u>Canary (upcoming)</u>	118.0.5993.0	r1192594	✗



ChromeDriver - WebDriver for Chrome Chrome for Testing availability Downloads | Selenium (374) Kannodu Kanbathellam Office

ASUS Software Port... MyASUS Software ... McAfee LiveSafe Car 3D Models | CG... Modem Purple Gre... Agenda: Python Ba... Quiz: My SQL Basic... Houdini - 3D model...

googlechromelabs.github.io/chrome-for-testing/

Canary (upcoming)	118.0.5993.0	r1192594	X
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Stable

Version: 116.0.5845.96 (r1160321)

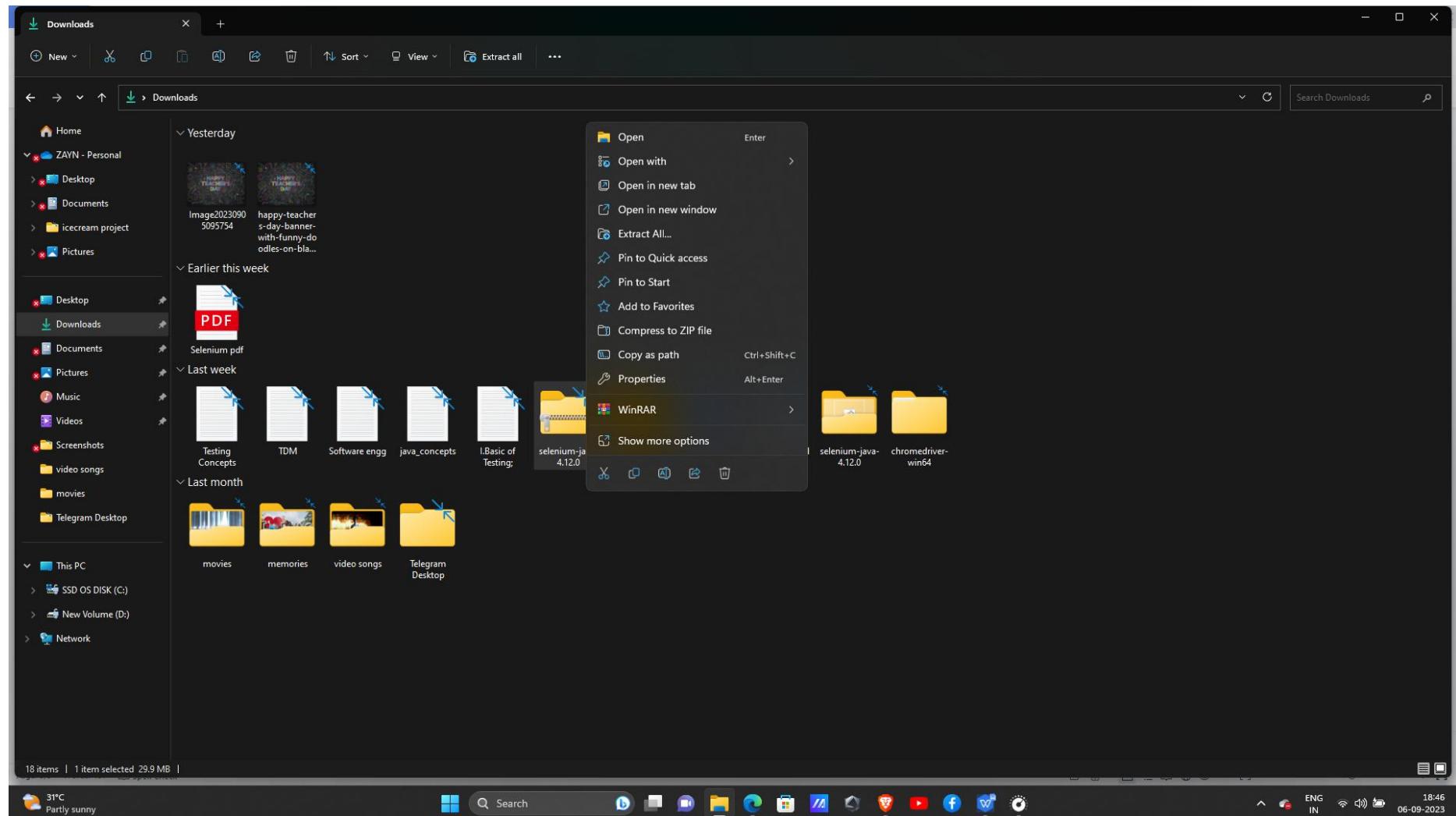
Binary	Platform	URL	HTTP status
chrome	linux64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/linux64/chrome-linux64.zip	200
chrome	mac-arm64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/mac-arm64/chrome-mac-arm64.zip	200
chrome	mac-x64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/mac-x64/chrome-mac-x64.zip	200
chrome	win32	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/win32/chrome-win32.zip	200
chrome	win64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/win64/chrome-win64.zip	200
chromedriver	linux64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/linux64/chromedriver-linux64.zip	200
chromedriver	mac-arm64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/mac-arm64/chromedriver-mac-arm64.zip	200
chromedriver	mac-x64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/mac-x64/chromedriver-mac-x64.zip	200
chromedriver	win32	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/win32/chromedriver-win32.zip	200
chromedriver	win64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.96/win64/chromedriver-win64.zip	200

Upcoming version: 116.0.5845.179 (r1160321)

Binary	Platform	URL	HTTP status
chrome	linux64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.179/linux64/chrome-linux64.zip	404
chrome	mac-arm64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/116.0.5845.179/mac-arm64/chrome-mac-arm64.zip	404

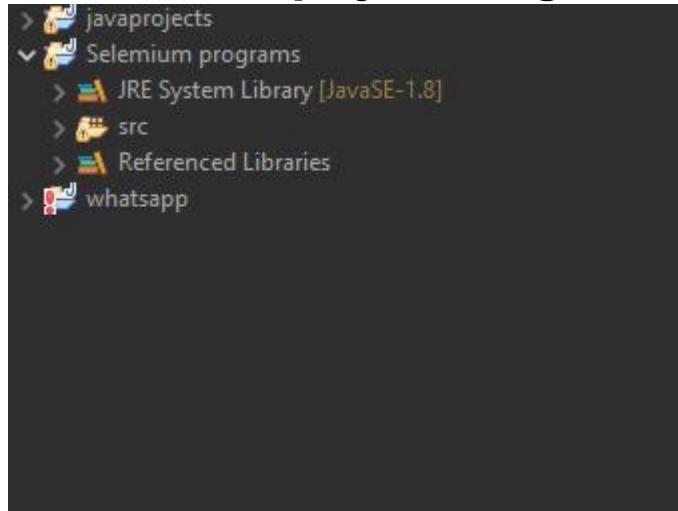
31°C Partly sunny Windows 10 Taskbar ENG IN 18:43 06-09-2023

**Based on the os and chrome version of the pc the chromedriver wants to be download.
After conforming the version and os copy the particular version link and paste it in google
the chromedriver will get downloaded.
The selenium and chromedriver file will be in zip file extract it by right clicking and give
extract all.**



After extraction go to eclipse to configure selenium:

Create a new project using JRE-1.8



Right click over the project you have created(I.e in this case for me selenium programs is a project name)

Go to buildpath and in that configure build path like the screenshot below

eclipse-workspace - Selenium programs/src/firstprogram/xpathpgm.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer X webelementspgm.java linktextpgm.java xpathpgm.java

javaprojects Selenium JRE S src Refe whatsa

New Go Into Open in New Window Open Type Hierarchy Show In F4 Alt+Shift+W >

Copy Copy Qualified Name Paste Delete Remove from Context Ctrl+C Ctrl+V Ctrl+V Delete Ctrl+Shift+Down

Build Path > Link Source... New Source Folder... Use as Source Folder Add External Archives... Add Libraries... Configure Build Path...

Source Alt+Shift+S Refactor Alt+Shift+T Import... Export... Refresh F5 Close Project Close Unrelated Projects Assign Working Sets... Coverage As Run As Debug As Restore from Local History... Team Compare With GitHub Configure Properties Alt+Enter

No consoles to display at this time.

String[] args) throws InterruptedException{ "webdriver.chrome.driver", "C:/Users/91908/Downloads/c ChromeDriver(); com/"); input[@id='search']").sendKeys("Chandrayan button[@id='search-icon-legacy']").click();

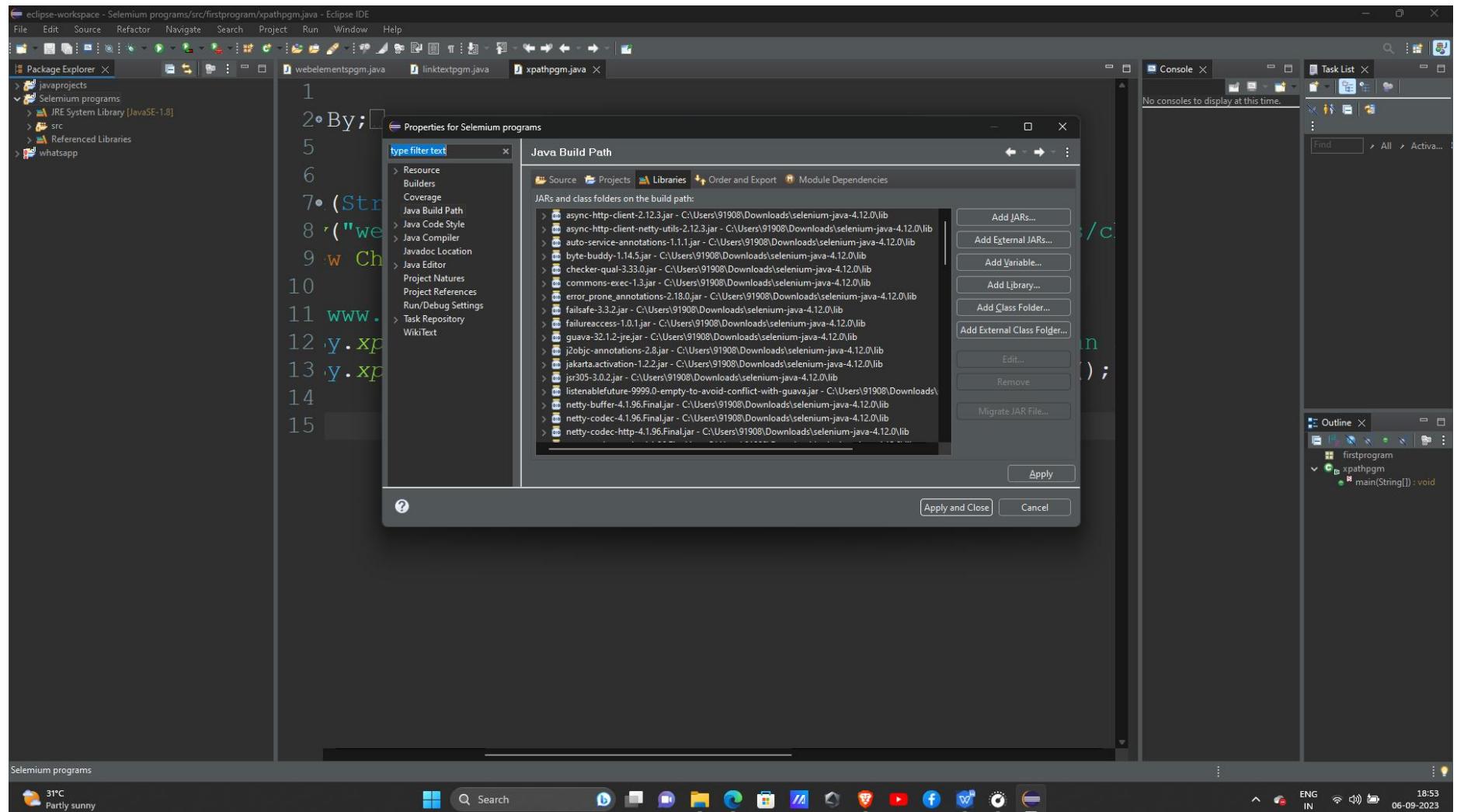
Task List X

Find All Active...

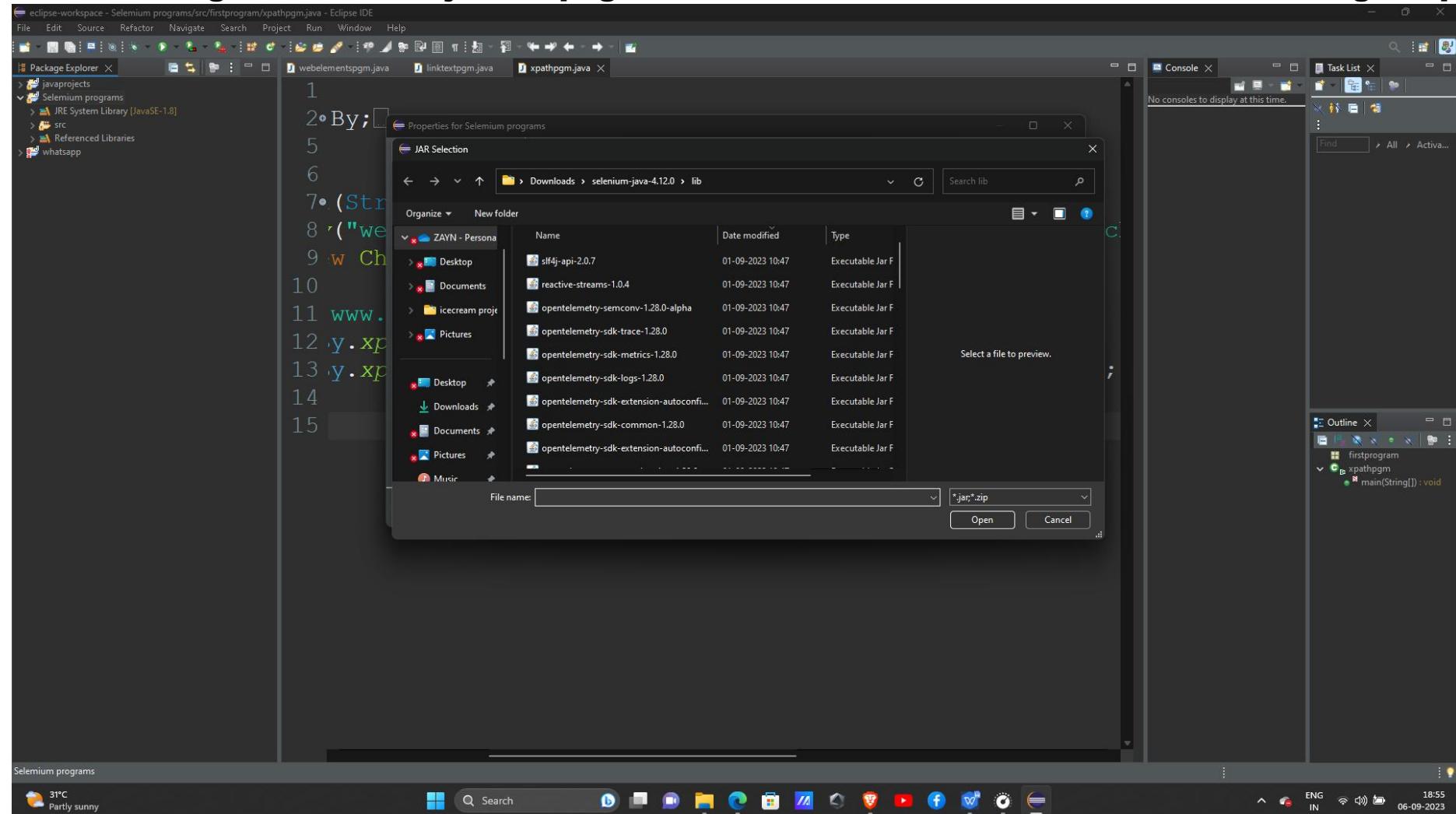
Outline X firstprogram xpathpgm main(String[]): void

31°C Partly sunny Search ENG IN 18:49 06-09-2023

**After clicking configure build path you will encounter with a dialog box like this
In that side of box there will be a option called add external jar .**



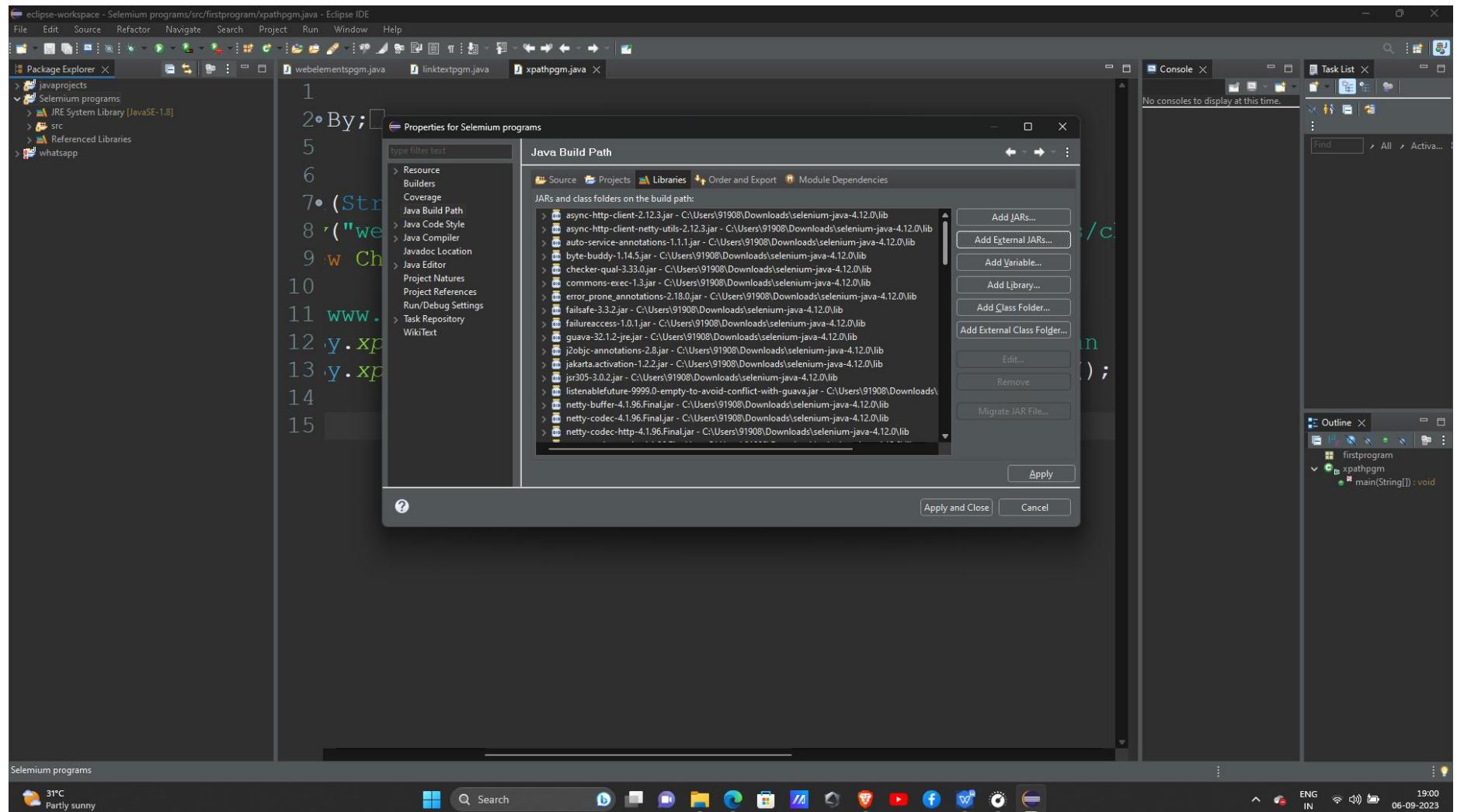
After clicking add external jar the page will be taken to selenium that we extract ang keep



In that copy every file except lib file that will be below and paste in the dialog box

After finshing over this now go to lib files and copy every files and paste it in same dialog box

The box will be like this with full of library files that we copied and paste.

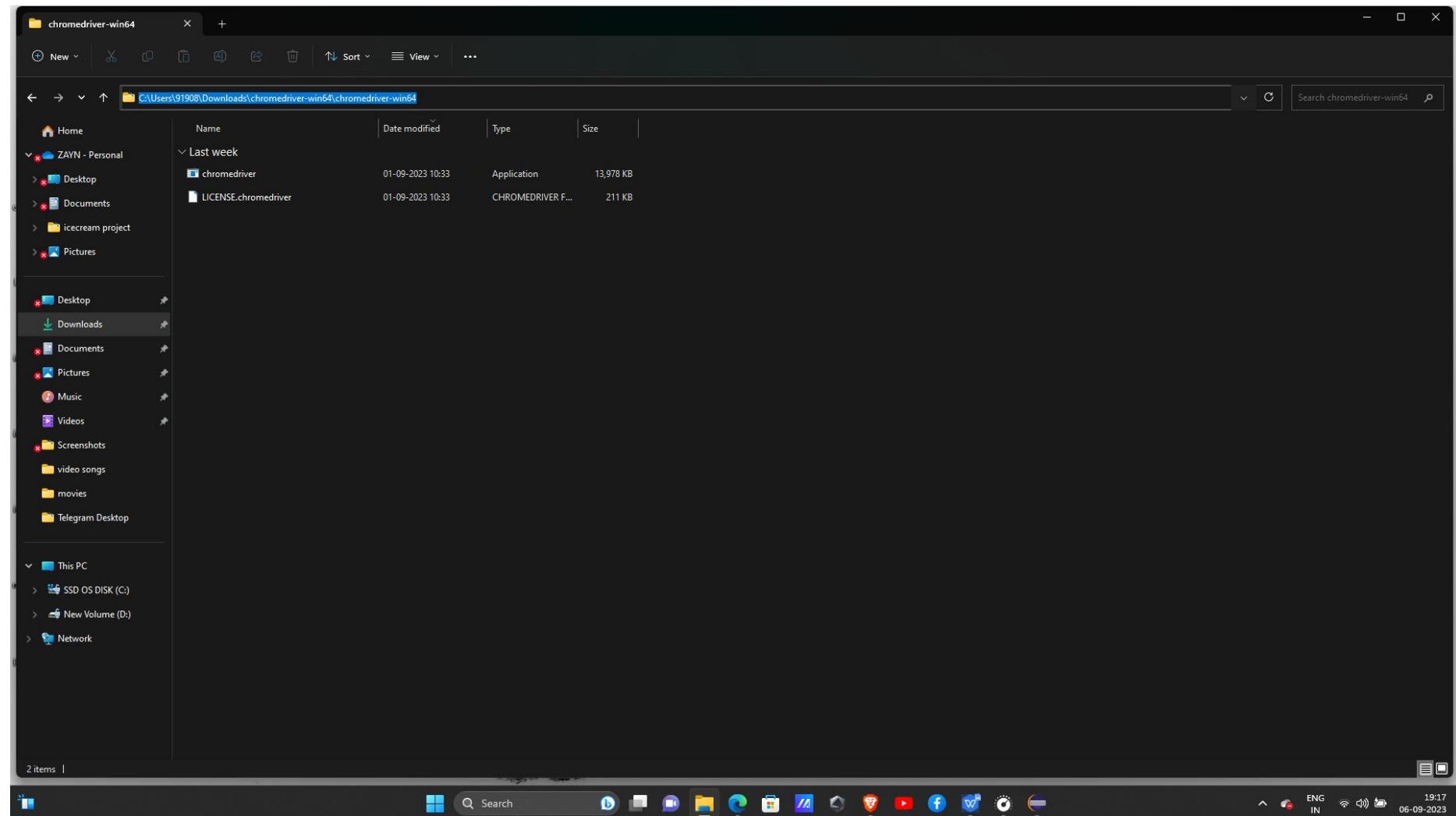


After that as usual create a package and class start the program

IMPORTANT NOTE:

Copy the chrome driver path and paste it in the setproperty with forward slash and chromedriver.exe should be added at last

And the chrome driver should be taken like this in a screenshot below.

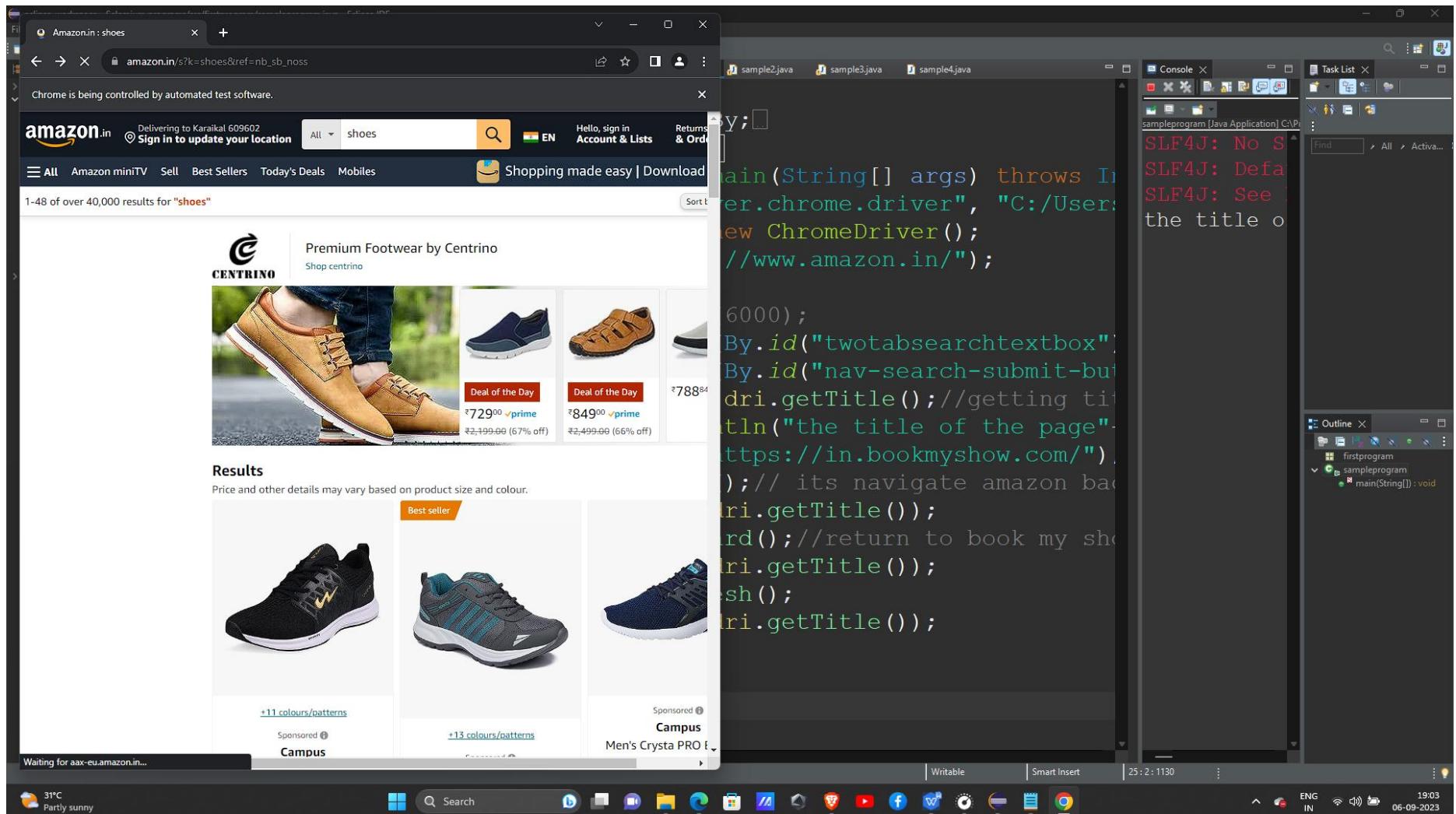


First program :

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class sampleprogram {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-win64/chromedriver-win64/chromedriver.exe");
        WebDriver dri=new ChromeDriver();
        dri.get("https://www.amazon.in/");
        dri.getTitle();
        //Thread.sleep(6000);
        dri.findElement(By.id("twotabsearchtextbox")).sendKeys("shoes");
        dri.findElement(By.id("nav-search-submit-button")).click();
        String title = dri.getTitle(); //getting title of the page
        System.out.println("the title of the page"+ " "+title);
        dri.navigate().to("https://in.bookmyshow.com/"); //navigate to another page
        dri.navigate().back(); // its navigate amazon back
        System.out.println(dri.getTitle());
        dri.navigate().forward(); //return to book my show
        System.out.println(dri.getTitle());
        dri.navigate().refresh();
        System.out.println(dri.getTitle());
        dri.close();
    }
}
```

```
    }  
}
```

OUTPUT:



```
SLF4J: No SLF4J providers were found.  
SLF4J: Defaulting to no-operation (NOP)  
SLF4J: See https://www.slf4j.org/codes.html for  
the title of the page Amazon.in : shoes  
Amazon.in : shoes  
Attention Required! | Cloudflare  
Attention Required! | Cloudflare
```

PROGRAM 2:

```
package firstprogram;  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
public class sample2 {  
    public static void main(String[] args) throws InterruptedException{  
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-  
win64/chromedriver-win64/chromedriver.exe");  
        WebDriver max =new ChromeDriver();  
        String url = ("https://www.ajio.com/");//getting url
```

```
        max.get(url);
        String actualUrl =max.getCurrentUrl();
        if(actualUrl.equals("https://www.ajio.com/")) {
            System.out.println("successful- current url is opened");
        }
        else {
            System.out.println("failed to open");
        }
    }
}
```

OUTPUT:

The screenshot displays a dual-pane interface. On the left is a web browser window for AJIO.com, showing the homepage with a banner for 'SEASON'S TOPPERS' and a promotional offer for using points. On the right is an IDE (IntelliJ IDEA) showing a Java application named 'sample2'. The console tab shows the following log output:

```
SLF4J: No SLF4J providers were found
SLF4J: Defaulting to no-operation (NOP) logger.
SLF4J: See https://www.slf4j.org/codes.html#noProviders
```

The Java code in the editor is:

```
public class sample2 {
    public static void main(String[] args) {
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.ajio.com");
        String actualUrl = driver.getCurrentUrl();
        if(actualUrl.equals("https://www.ajio.com")){
            System.out.println("Successful - current url is " + actualUrl);
        }
        else{
            System.out.println("Unsuccessful - current url is " + actualUrl);
        }
    }
}
```

The task list and outline panes are also visible in the IDE.

PROGRAM 3:

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class sample3 {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-
win64/chromedriver-win64/chromedriver.exe");
        WebDriver min =new ChromeDriver();
        min.get("https://www.flipkart.com/");
        String src = min.getPageSource();//getting page resource
        System.out.println("Pagesource is: " + src);
        int srcLength = min.getTitle().length();// getting title length.
        System.out.println("Length of the title is :" + srcLength);
    }
}
```

OUTPUT:

Online Shopping Site for Mobile

flipkart.com

Chrome is being controlled by automated test software.

Flipkart Explore Plus

Search for products, brands and more

Login Become a Seller

Grocery Mobiles Fashion Electronics Home & Furniture Appliances Travel Beauty, Toys & More Two Wheelers

Flipkart Flights

International Flights Get Up to ₹5,250 On OneCard

Code : FLYSEP

one card Get up to ₹5,250 Off on OneCard Credit Card EMI Transaction

Best of Electronics

VIEW ALL

D24-20 Monitors From ₹7949

Lenovo

Top Mirrorless Cameras Shop Now!

Canon, Sony, Fujifilm...

Rise Up to Savings International Flight From ₹4,99

Length of the title is :104

```
try {
    navigator.serviceWorker.getRegistrations()
        .then(function(registrations) {
            if (registrations) {
                registrations.unregister();
            }
        })
        .catch(function(err) {
            console.error('Service worker registration error');
        });
} else if('serviceWorker' in navigator) {
    navigator.serviceWorker.getRegistration()
        .then(function(serviceWorkerUnregistered) {
            if(serviceWorkerUnregistered) {
                serviceWorkerUnregistered.unregister();
            }
        })
        .catch(function(err) {
            console.error('Service worker registration error');
        });
}
</script><script src="//static-asset
```

PROGRAM 4:

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class webelementspgm {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-win64/chromedriver-win64/chromedriver.exe");
        WebDriver max =new ChromeDriver();
        max.get("https://www.google.com/maps/@10.8211663,78.2897649,7z?entry=ttu");
        //max.findElement(By.id("searchboxinput")).sendKeys("Chennai");
        // max.findElement(By.id("searchbox-searchbutton")).click();//by id
        //by name

        max.findElement(By.name("q")).sendKeys("Mumbai");
        max.findElement(By.id("searchbox-searchbutton")).click();

        //by class name

        max.navigate().to("https://www.yahoo.com/");
        //max.findElement(By.className("_yb_i8yvb")).sendKeys("News");
        //max.findElement(By.id("ybar-search")).click();

        //tag name
```

```
max.findElement(By.tagName("input")).sendKeys("India");
max.findElement(By.id("ybar-search")).click();
}}
```

OUTPUT:

The screenshot shows a Windows desktop environment. On the left, a Google Chrome window displays a map of South India and Sri Lanka. A search bar at the top of the map interface has "Mumbai" typed into it. A "Close" button is visible on the search bar. The map shows state boundaries and major cities like Bangalore, Chennai, and Hyderabad. On the right, a Java-based IDE (IntelliJ IDEA) is open, showing a code editor with a Java script. The code uses the WebDriver API to automate a search for "Mumbai" on the Yahoo homepage. It includes imports for WebDriver, actions, and time, along with logic to click the search button and handle search results. The IDE's toolbars and side panels are visible, including a Task List, Outline, and Slf4j log entries.

```
String[] args) throws InterruptedException {
    "webdriver.chrome.driver", "C:/Users/91904/Downloads/ChromeDriver.exe");
    new google.com/maps/@10.8211663,78.5877001,11z
    By.id("searchboxinput")).sendKeys("Mumbai");
    By.id("searchbox-searchbutton")) .click();

    name("q")).sendKeys("Mumbai");
    id("searchbox-searchbutton")) .click();

    https://www.yahoo.com/");
    .className("_yb_i8yvb")).sendKeys("India");
    .id("ybar-search")) .click();

    tagName("input")).sendKeys("India");
    id("ybar-search")) .click();
```

India - Yahoo Search Results

search.yahoo.com/search?p=India&fr=yfp-t&fr2=p%3Afp%2Cm%3Asb&ei=UTF-8&fp=1

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Add it now No, thanks

India

Sign In yahoo!

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Country in Asia

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Search

19:09
06-09-2023

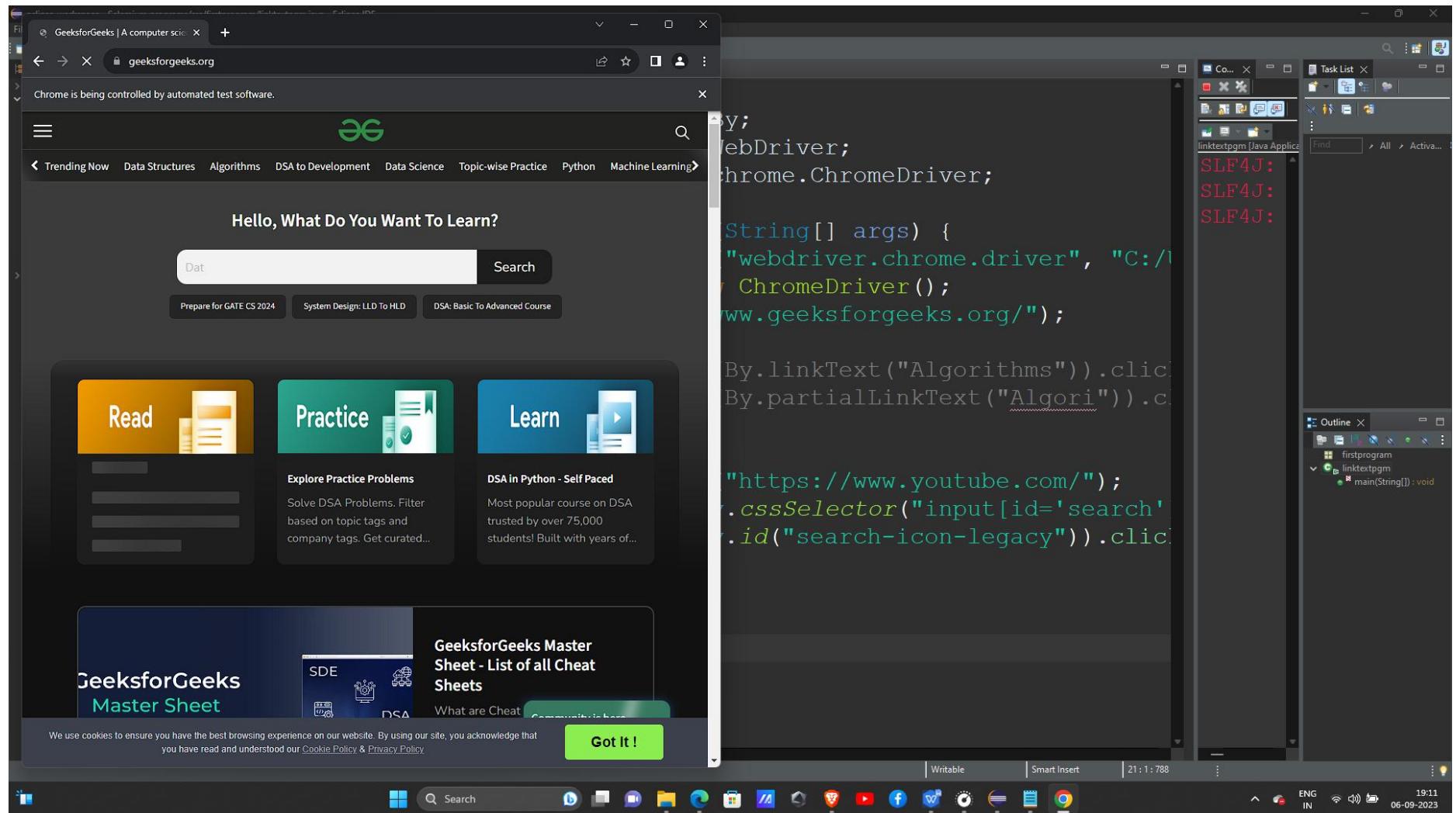
PROGRAM 5:

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class linktextpgm {
    public static void main(String[] args) {
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-
win64/chromedriver-win64/chromedriver.exe");
        WebDriver max1 =new ChromeDriver();
        max1.get("https://www.geeksforgeeks.org/");

        // max1.findElement(By.linkText("Algorithms")).click();
        // max1.findElement(By.partialLinkText("Algori")).click();

        //CSS selector
        max1.navigate().to("https://www.youtube.com/");
        max1.findElement(By.cssSelector("input[id='search']")).sendKeys("india");
        max1.findElement(By.id("search-icon-legacy")).click();
    }
}
```

OUTPUT:



File New Open Recent

india - YouTube X

youtube.com/results?search_query=india Share

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19:11 06-09-2023

PROGRAM 6:

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class xpathpgm {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-
win64/chromedriver-win64/chromedriver.exe");
        WebDriver max1 =new ChromeDriver();
        //xpath
        max1.get("https://www.youtube.com/");
        max1.findElement(By.xpath("//input[@id='search']")).sendKeys("Chandrayan 3");
        max1.findElement(By.xpath("//button[@id='search-icon-legacy']")).click();
    }
}
```

OUTPUT:

Chandrayan 3 - YouTube

Showing results for **Chandrayaan 3** Search instead for Chandrayan 3

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Chandrayaan-3's New Milestone; Vikram Lander Hops On The Moon, Lands Safely...
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Hindustan Times 🔍

The Indian Space Research Organisation (ISRO) has created history yet again. Vikram Lander made a touchdown on the lunar ...
New

चंद्रमा पर अंधेरा, चंद्रयान-3 ने भेजी बेहद खौफनाक तस्वीर!

Chandrayaan 3 Soft Landing LIVE | चंद्रयान-3 ने भेजी बेहद खौफनाक तस्वीर! | ISRO Moon Missio...
4.1K watching

News18 MP Chhattisgarh 🔍

Chandrayaan 3 Soft Landing LIVE | चंद्रयान-3 ने भेजी बेहद खौफनाक तस्वीर! | ISRO Moon Mission ...
LIVE New

```
String[] args) throws InterruptedException {
    WebDriver driver = new ChromeDriver();
    driver.get("http://www.youtube.com/");
    WebElement searchInput = driver.findElement(By.xpath("//input[@id='search']"));
    searchInput.sendKeys("Chandrayaan 3");
    WebElement searchButton = driver.findElement(By.xpath("//button[@id='search-icon-legacy']"));
    searchButton.click();
}
```

Task List

SLF4J: SLF4J: SLF4J:

Outline

firstprogram

xpathpgm

main(String[])

Writable Smart Insert 15:1:632 19:13 ENG IN 06-09-2023

PROGRAM 7:

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class xpathpgm {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-
win64/chromedriver-win64/chromedriver.exe");
        WebDriver max1 =new ChromeDriver();
        //xpath techniques
        // max1.get("https://www.youtube.com/");
        //single slash
        // max1.findElement(By.xpath("/html/body/ytd-app/div[1]/div/ytd-masthead/div[4]/div[2]/ytd-
searchbox/form/div[1]/div[1]/input")).sendKeys("News");
        //.findElement(By.xpath("/html/body/ytd-app/div[1]/div/ytd-masthead/div[4]/div[2]/ytd-
searchbox/button")).click();

        //double slash
        // max1.findElement(By.xpath("//input")).sendKeys("G20");
        // max1.findElement(By.xpath("/html/body/ytd-app/div[1]/div/ytd-masthead/div[4]/div[2]/ytd-
searchbox/button")).click();

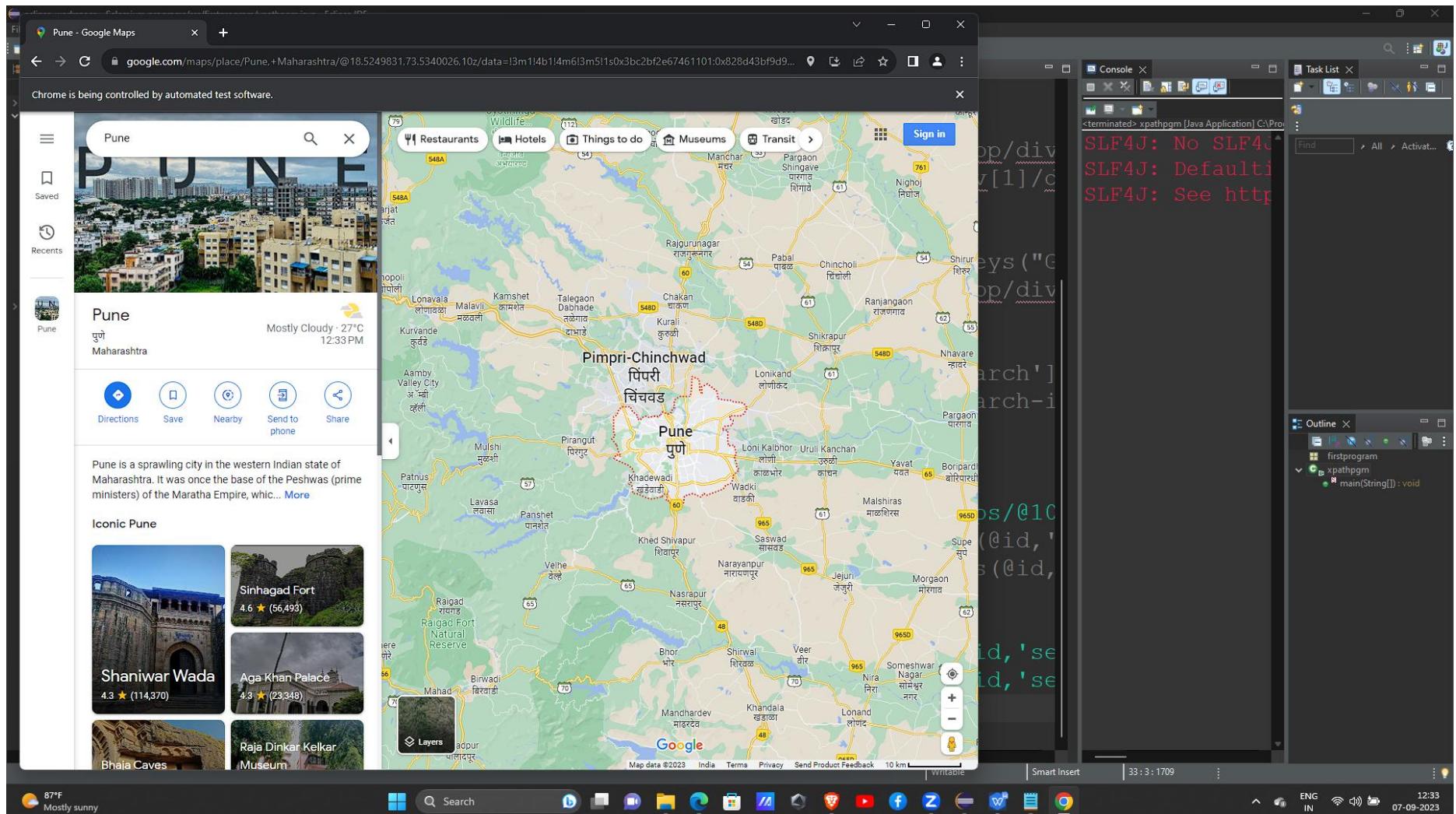
    //{@ sign
```

```
// max1.findElement(By.xpath("//input[@id='search']")).sendKeys("Chandrayan 3");
// max1.findElement(By.xpath("//button[@id='search-icon-legacy']")).click();

//contains
max1.navigate().to("https://www.google.com/maps/@10.8211663,78.2897649,7z?entry=ttu");
// max1.findElement(By.xpath("//input[contains(@id,'boxinput')]")).sendKeys("Pune");
//id="searchboxinput"
    // max1.findElement(By.xpath("//button[contains(@id,'searchbutton')]")).click(); //id="searchbox-
searchbutton"

//dot "."
max1.findElement(By.xpath("//input[contains(@id,'searchboxinput')]/.")).sendKeys("Pune");
max1.findElement(By.xpath("//button[contains(@id,'searchbox-searchbutton')]/.")).click();
}}
```

OUTPUT:



PROGRAM 8:

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class dotpgm {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-
win64/chromedriver-win64/chromedriver.exe");
        WebDriver max2 =new ChromeDriver();
        // max2.get("https://www.youtube.com/");

        //piping
        //max2.findElement(By.xpath("//input[@* = 'search']//button[@*='search-icon-
legacy']")).sendKeys("Comedy");
        //max2.findElement(By.id("search-icon-legacy")).click();

        // max2.navigate().to("https://www.geeksforgeeks.org/");

        //dot"..
        // max2.navigate().to("https://www.google.com/");

        //max2.findElement(By.xpath("//textarea[contains(@id,'APjFqb')]//..../div/textarea")).sendKeys("pune");
```

```
//max2.findElement(By.xpath("/html/body/div[1]/div[3]/form/div[1]/div[1]/div/div[1]/div/span/svg")).click()
();
// Thread.sleep(1000);
//max2.quit();

//Asterisk "*"
// max2.findElement(By.xpath("//div[contains(@className,'ayzqOc
pHiOh')]/div[2]/*")).sendKeys("pune");

//Asterisk @*
// max2.findElement(By.xpath("//div[className@*='ayzqOc pHiOh'])")).click();
}}
```

OUTPUT:

Chrome is being controlled by automated test software.

YouTube IN

Comedy

All Shorts Unwatched Watched For you Recently uploaded Live Film Tamil Kanna Filters

Must Watch New Funny Video 2023 Top New Comedy Video 2023 Try To Not Laugh EP-179 By@MYFAMILYComedy 421K views • 1 day ago

MY FAMILY

Must Watch New Trending Special Comedy Video 2023 Totally Amazing Funny Episode 242 By @MYFAMILYComedy Must ...

New 4K

8:40

Shorts

funny video 😊 //comedy video// shorts #emotional... 23M views

Wait for the end 😂 😂 #funny #shorts #comedy... 78K views

Special Comedy Video 😊 #shorts #funny #comedy 5.9M views

abraz khan and mujassam khan comedy video/team... 36M views

throws InterruptedException, "C:/U"; "");

@* = 'search']// -legacy")).click();

geeksforgeeks.org

google.com/"); area[contains(@id, "body/div[1]/div[3]

Console X Task List X

<terminated> dotpgm [Java Application] C:\Program Files\dotpgm\bin

SLF4J: No SLF4J bindings could be found.

SLF4J: Defaulting to no-operation (NOP) logger implementation

SLF4J: See http://www.slf4j.org/codes.html#noImplementationFound

Outline X

firstprogram

dotpgm

main(String[])

Writable Smart Insert

10:9:415

87°F Mostly sunny

Search

12:35

07-09-2023

PROGRAM 9:

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
public class checkbox1 {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-
win64/chromedriver-win64/chromedriver.exe");
        WebDriver abc =new ChromeDriver();
        abc.get("https://www.messenger.com/");
        //abc.findElement(By.className("_2qcu")).click();

        //there are 3 methods to validate checkbox
        //***isSelected
        //***isDisplayed
        //***isEnabled

        //is selected
        WebElement check= abc.findElement(By.className("_2qcu"));
        boolean isSelected = check.isSelected();
        System.out.println(isSelected);
        if(isSelected == false) {
            check.click();
```

```
}

// Validate Checkbox using isDisplayed() and click
WebElement check1= abc.findElement(By.className("_2qcu"));
boolean isDisplayed = check1.isDisplayed();
System.out.println(isDisplayed);
// performing click operation if element is displayed
if (isDisplayed == true) {
    check1.click();
}
//is enabled
WebElement check2 = abc.findElement(By.className("_2qcu"));
boolean isEnabled = check2.isEnabled();
System.out.println(isEnabled);
// performing click operation if element is enabled
if (isEnabled == true) {
    check2.click();
}

/*
//checkbox by id locator
abc.findElement(By.id("twotabsearchtextbox")).sendKeys("bags");
//abc.findElement(By.id("nav-search-submit-button")).click();
//by xpath
```

```
//  
abc.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/div[2]/div/div[3]/span/div[1]/div/div/div[5]/ul/span[2]/li/spa  
n/a/div/label/i")).click();  
  
// abc.navigate().to("https://www.irctc.co.in/nget/train-search");  
//Validate Checkbox isSelected method and click  
WebElement check= abc.findElement(By.id("nav-search-submit-button"));  
boolean isSelected = check.isSelected();  
System.out.println(isSelected);  
//performing click operation if element is not checked  
if(isSelected == false) {  
    check.click();  
}  
// Validate Checkbox us//ng isDisplayed() and click  
/*WebElement check1= abc.findElement(By.xpath("label[for='dateSpecific']"));  
boolean isDisplayed = check1.isDisplayed();  
  
// performing click operation if element is displayed  
if (isDisplayed == true) {  
    check1.click();  
}*/  
}}
```

OUTPUT:

Messenger messenger.com

Chrome is being controlled by automated test software.

Features Desktop app Privacy and safety For developers

Hang out anytime, anywhere

Messenger makes it easy and fun to stay close to your favourite people.

Email address or phone number

Password

Log In [Forgotten your password?](#)

Keep me signed in

[Download on the App Store](#) [Get it from Microsoft](#)

31°C Sunny

Search

12:00 12-09-2023

PROGRAM 10:

```
package firstprogram;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;
public class dropdown {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-win64/chromedriver-win64/chromedriver.exe");
        WebDriver abc1 =new ChromeDriver();
        abc1.get("https://www.yahoo.com/");
        abc1.manage().window().maximize();
        Select se1 = new Select(abc1.findElement(By.name("config.selectedSign")));
        se1.selectByIndex(1);
        //System.out.println(se1);

        //select by value
        //Select se2 = new Select(abc1.findElement(By.id("league-select")));
        //se2.selectByValue("ncaab");
        //System.out.println(se2);
        //(driver.findElement(By.xpath("//*[@id='oldSelectMenu']")));

        //select by visible text
        // Select se3 = new Select(abc1.findElement(By.id("horoscope-select")));
    }
}
```

```
//se3.selectByVisibleText("Libra");
```

```
}
```

OUTPUT:

Yahoo | Mail, Weather, Search, Po x + yahoo.com

Chrome is being controlled by automated test software.

yahoo!

Mail News Finance Sports Entertainment Life Yahoo Plus More...

Achilles injury: 'It's not good' movie as a leading man charger change means for you apparent rollover crash on a Tesla Cybertruck Japan's highest peak fell victim to overtourism

Stories for you

World - Business Insider
George W. Bush says it was 'shocking' to learn that Yevgeny Prigozhin once served him dinner in St. Petersburg: 'All I know is I survived'
A photo from July 14, 2006, shows Bush and his wife dining with Putin at the Constantine Palace, where Prigozhin was seen serving a drink.
366 · 3 min read

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Entertainment - Atlanta Black Star
Fans Dig Up Reagan Gomez's Old Tweets About Her 'Horrible' Experience on 'That '70s Show,' Says 'No One in the Cast Talked to Me...'
Actress Reagan Gomez's account of her experience guest-starring on "That '70s Show" has resurfaced amid news of series star Danny Masterson's sentencing for raping two [...] 1.4K · 3 min read

Entertainment - People
Aerosmith Postpones Farewell Tour Dates After 'Heartbroken' Steven Tyler Suffers Vocal Cord Damage
The band played the first three shows of their Peace Out Tour before Saturday's concert left Tyler "with subsequent bleeding" and under doctor's orders not to sing 89 · 3 min read

Celebrity - Life & Style
Amy Schumer Slammed for 'Bullying' Nicole Kidman Over U.S. Open

Sign in Mail

Today Wed Thu

94° 78° 95° 78° 95° 78° 94° 79°

See more AccuWeather

Scoreboard Trending

Yesterday Today Tomorrow

Team	Score	Status	Team	Score	Status
BUF	16	Final	22	NYJ	
LAA	8	Final	5	SEA	
CLE	4	Final	5	SF	

See more

Daily Horoscope Aries

September 12 - It's tempting to try to cover a lot of ground today, but you should instead just try to remain more or less where you are. It's vita... See more

All your memories in one place without any limit

31°C Sunny ENG IN 12-09-2023

PROGRAM 11:

```
package firstprogram;
import java.util.List;

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.support.ui.Select;
public class radiobutton {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-
win64/chromedriver-win64/chromedriver.exe");
        //WebDriver abc1 =new ChromeDriver();
        //abc1.get("https://mdbootstrap.com/docs/standard/forms/radio/");
        // abc1.findElement(By.className("form-check")).click();
        // Validate Radio button using isSelected() methiod
        /* WebElement radioElement = abc1.findElement(By.className("form-check"));
        boolean selectState = radioElement.isSelected();

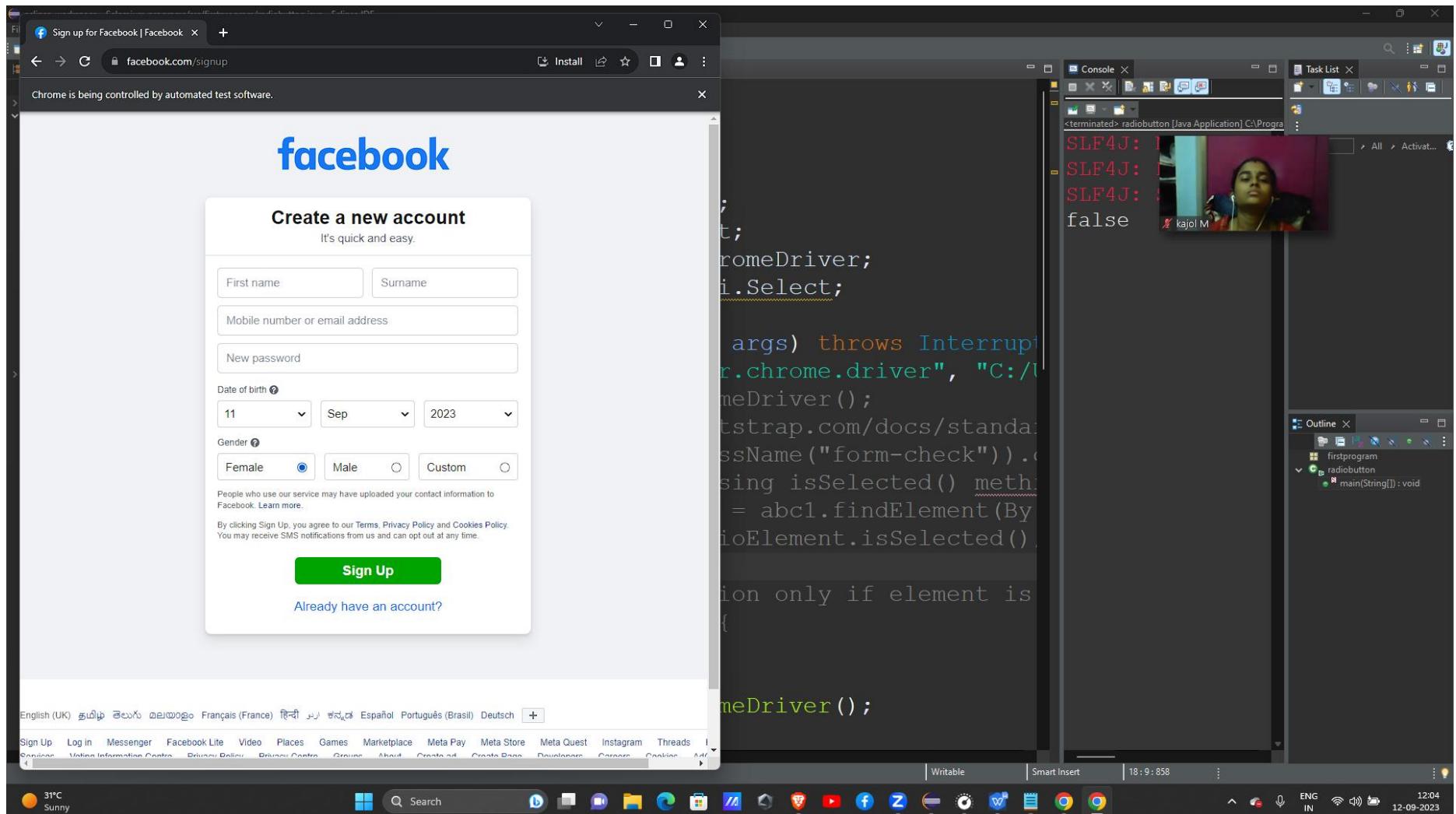
        //performing click operation only if element is not selected
        if(selectState == false) {
            radioElement.click();
        }*/
        WebDriver radiobtn= new ChromeDriver();
```

```
radiobtn.get("https://www.facebook.com/signup");
//isSelected
WebElement radio =radiobtn.findElement(By.name("sex"));
boolean isSelected=radio.isSelected();
System.out.println(isSelected);
// performing click operation if element is not selected
if(isSelected==false) {
    radio.click();
}
//isDisplayed
/*WebElement radios=radiobtn.findElement(By.name("sex"));
    boolean isDisplayed = radios.isDisplayed();
System.out.println(isDisplayed);

if(isDisplayed == true) {
    radios.click();
    //Thread.sleep(2000);
    //radiobtn.quit();
}*/
//isEnabled
/*WebElement radio1=radiobtn.findElement(By.name("sex"));
boolean isEnabled = radio1.isEnabled();
System.out.println(isEnabled);
```

```
if(isEnabled == true) {  
    radio1.click();  
    //Thread.sleep(2000);  
    //radiobtn.quit();  
}*/  
}  
}
```

OUTPUT:



PROGRAM 12:

```
package firstprogram;
import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class alert1 {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-win64/chromedriver-win64/chromedriver.exe");
        WebDriver abc =new ChromeDriver();
        WebDriver alert= new ChromeDriver();
        //maximize the window
        alert.manage().window().maximize();
        //deleting cookies
        alert.manage().deleteAllCookies();

        //get url
        alert.get("https://demo.guru99.com/test/delete_customer.php");
        //find the element

        alert.findElement(By.xpath("/html/body/form/table/tbody/tr[2]/td[2]/input")).sendKeys("78760");
```

```
        alert.findElement(By.xpath("/html/body/form/table/tbody/tr[3]/td[2]/input[1]")).click();

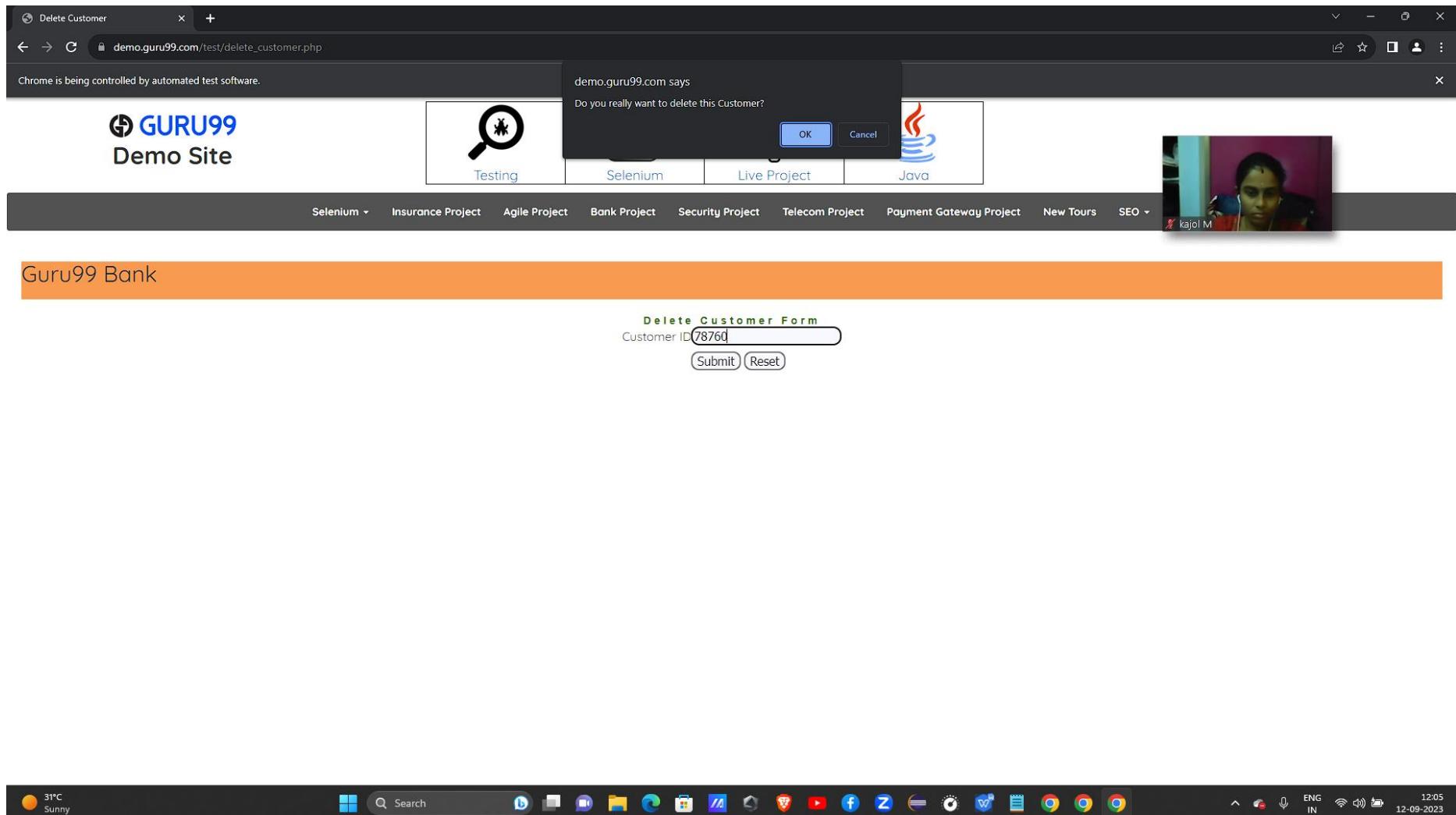
                //1) confirmation alert

                System.out.println(alert.switchTo().alert().getText());
                Thread.sleep(2000);
                //ok button
                alert.switchTo().alert().accept();
                Thread.sleep(2000);
                //dismiss
                alert.switchTo().alert().dismiss();

                //simple alert
/* abc.get("https://demoqa.com/alerts");
abc.manage().window().maximize();
// This step will result in an alert on screen
abc.findElement(By.id("alertButton")).click();
Alert simpleAlert = abc.switchTo().alert();
simpleAlert.accept();*/}

}}
```

OUTPUT:



PROGRAM 13:

```
package firstprogram;
import org.openqa.selenium.Alert;
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;

public class alert2 {
    public static void main(String[] args) throws InterruptedException{
        System.setProperty("webdriver.chrome.driver", "C:/Users/91908/Downloads/chromedriver-
win64/chromedriver-win64/chromedriver.exe");

        WebDriver alertpr= new ChromeDriver();
        //maximize the window
        alertpr.manage().window().maximize();
        //deleting cookies
        alertpr.manage().deleteAllCookies();

        //getting url
        alertpr.get("https://demoqa.com/alerts");
        /*alertpr.findElement(By.id("alertButton")).click();
```

```
//1) simple alert
System.out.println(alertpr.switchTo().alert().getText());
Thread.sleep(2000);

//ok button
alertpr.switchTo().alert().accept();
Thread.sleep(2000);

//alert appear after 5 sec
/*alertpr.findElement(By.id("timerAlertButton")).click();

System.out.println(alertpr.switchTo().alert().getText());
Thread.sleep(2000);
//okay button

alertpr.switchTo().alert().accept();
Thread.sleep(2000);

alertpr.switchTo().alert().dismiss();*/
// 3) prompt alert or permission alert

WebElement element = alertpr.findElement(By.id("promptButton"));
((JavascriptExecutor) alertpr).executeScript("arguments[0].click()", element);
```

```
Alert promptAlert = alertpr.switchTo().alert();
String alertText = promptAlert.getText();
System.out.println("Alert text is " + alertText);
//Send some text to the alert
promptAlert.sendKeys("Shanthini");
promptAlert.accept();

}
```

OUTPUT:

DEMOQA

demoqa.com/alerts

Chrome is being controlled by automated test software.

TOOLSQA

Alerts

मात्र \$5 के न्यूनतम निक्षेप से
क्रिएट CFD में व्यापार करना शुरू करें

आपकी पुंजी खाते में है।
“दर्ता और नियम लागू होते हैं।”

स्थाना खोलें

Click Button to see alert

Click me

On button click, alert will appear after 5 seconds

Click me

On button click, confirm box will appear

Click me

On button click, prompt box will appear

You entered
Shanthini

Click me

100 TIKTOK FOLLOWERS \$3.99

31°C Sunny

Search

1000 YOUTUBE VIEWS 43.99

12:07 12-09-2023

The screenshot shows a web browser window with the URL 'demoqa.com/alerts'. The title bar indicates 'Chrome is being controlled by automated test software.' The main content area features the 'TOOLSQA' logo and a heading 'Alerts'. Below this, there's a dark banner with text in Hindi: 'मात्र \$5 के न्यूनतम निक्षेप से क्रिएट CFD में व्यापार करना शुरू करें', followed by 'आपकी पुंजी खाते में है। "दर्ता और नियम लागू होते हैं।"' and 'स्थाना खोलें'. On the left, a sidebar lists navigation items: 'Elements', 'Forms', 'Alerts, Frame & Windows' (which is expanded), 'Browser Windows', 'Alerts', 'Frames', 'Nested Frames', and 'Modal Dialogs'. In the center, four examples of alerts are shown with 'Click me' buttons: 1. An alert message: 'Click Button to see alert'. 2. A confirmation dialog: 'On button click, alert will appear after 5 seconds'. 3. A confirmation dialog: 'On button click, confirm box will appear'. 4. A prompt dialog: 'On button click, prompt box will appear' with the input 'Shanthini'. To the right, there's a video player showing a woman named 'kajol M' and a yellow promotional box for 'TIKTOK FOLLOWERS \$3.99'. The bottom of the screen shows the Windows taskbar with icons for various applications like File Explorer, Edge, and Google Chrome, along with system status indicators like battery level and network connection.