

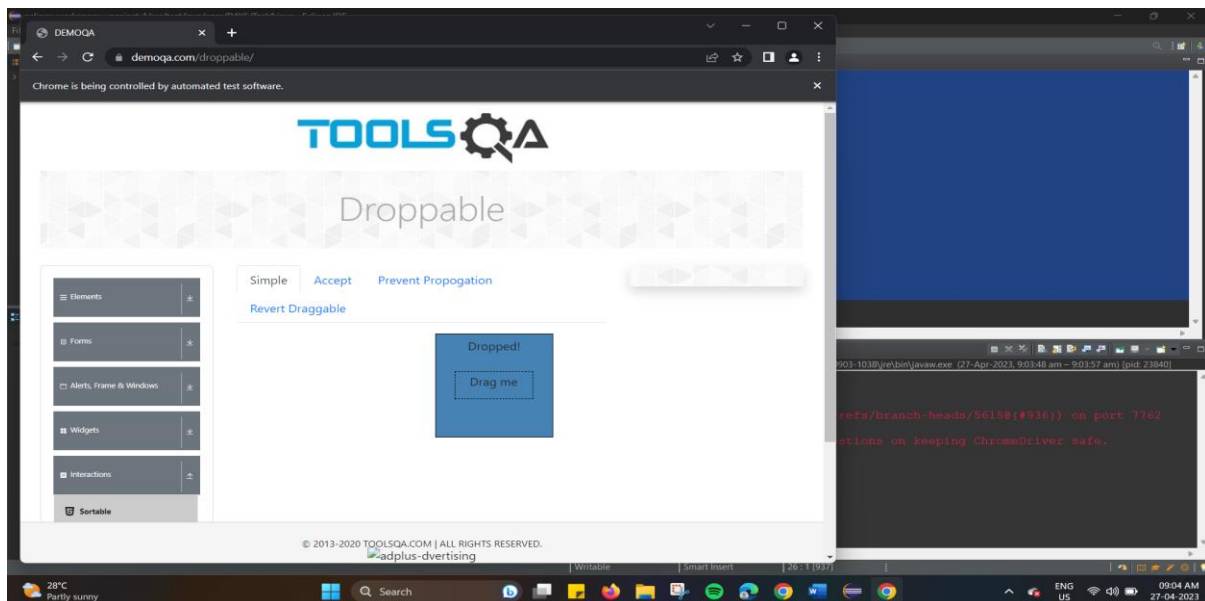
## DAY 5 SELENIUM WEB HANDLERS

### TASK 01: Drag And Drop Using Mouse Action Commands

#### Code:

```
1 package com.day5;
2
3 import org.openqa.selenium.By;
4
11 public class TEST1 {
12
13     public static void main(String[] args) {
14         WebDriverManager.chromedriver().setup();
15         System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
16         ChromeOptions co=new ChromeOptions();
17         co.addArguments("--remote-allow-origins=*");
18         WebDriver driver=new ChromeDriver(co);
19         driver.get("https://demoqa.com/droppable/");
20         Actions a = new Actions(driver);
21         WebElement sourceEle= driver.findElement(By.id("draggable"));
22         WebElement destEle = driver.findElement(By.id("droppable"));
23         a.clickAndHold(sourceEle).release(destEle).build().perform();
24         a.dragAndDrop(sourceEle, destEle).build().perform();
25     }
26 }
27 }
```

#### Output:



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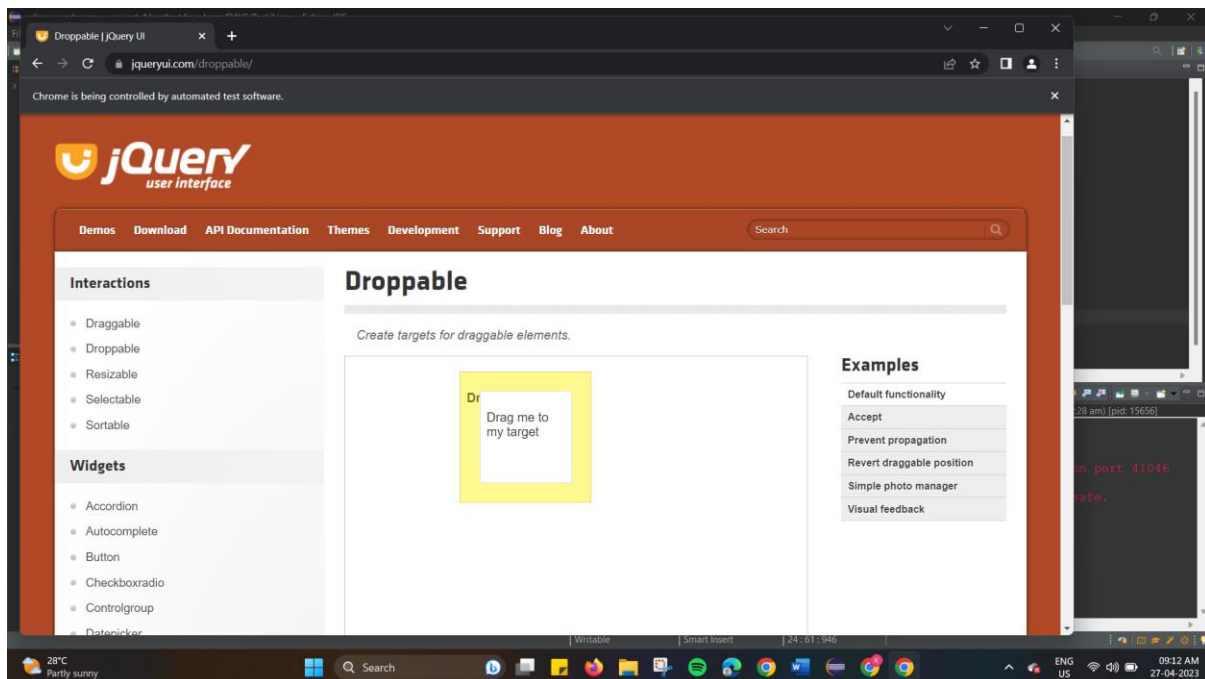
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## TASK 02: Drag And Drop Using Mouse Action Commands

Code:

```
1 package com.day5;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.chrome.ChromeDriver;
7 import org.openqa.selenium.chrome.ChromeOptions;
8 import org.openqa.selenium.interactions.Actions;
9
10 import io.github.bonigarcia.wdm.WebDriverManager;
11
12 public class TEST2 {
13     public static void main(String[] args) throws InterruptedException {
14         WebDriverManager.chromedriver().setup();
15         System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
16         ChromeOptions co=new ChromeOptions();
17         co.addArguments("--remote-allow-origins=*");
18         WebDriver driver=new ChromeDriver(co);
19         driver.get("https://jqueryui.com/droppable/");
20         driver.switchTo().frame(0);
21         Actions a = new Actions(driver);
22         WebElement sourceEle= driver.findElement(By.id("draggable"));
23         WebElement destEle = driver.findElement(By.id("droppable"));
24         Thread.sleep(3000);
25         a.clickAndHold(sourceEle).release(destEle).build().perform();
26         a.dragAndDrop(sourceEle, destEle).build().perform();
27     }
28 }
29
```

Output:



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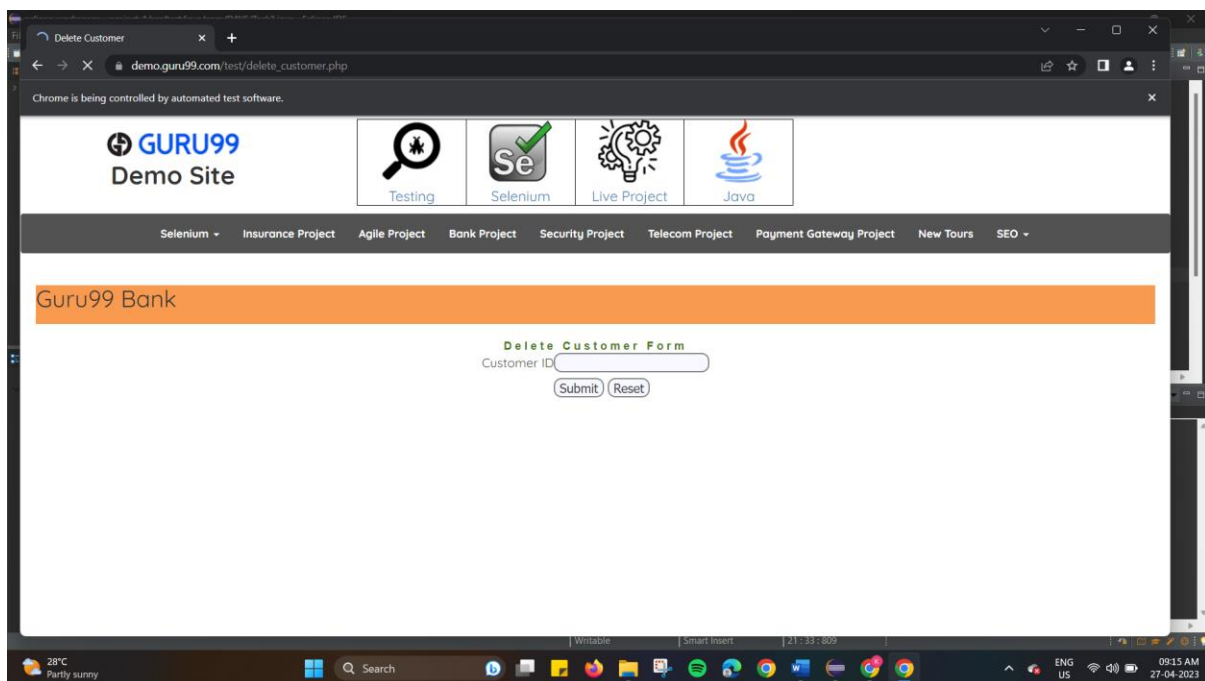
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## TASK 03: Success Alert Message

### Code:

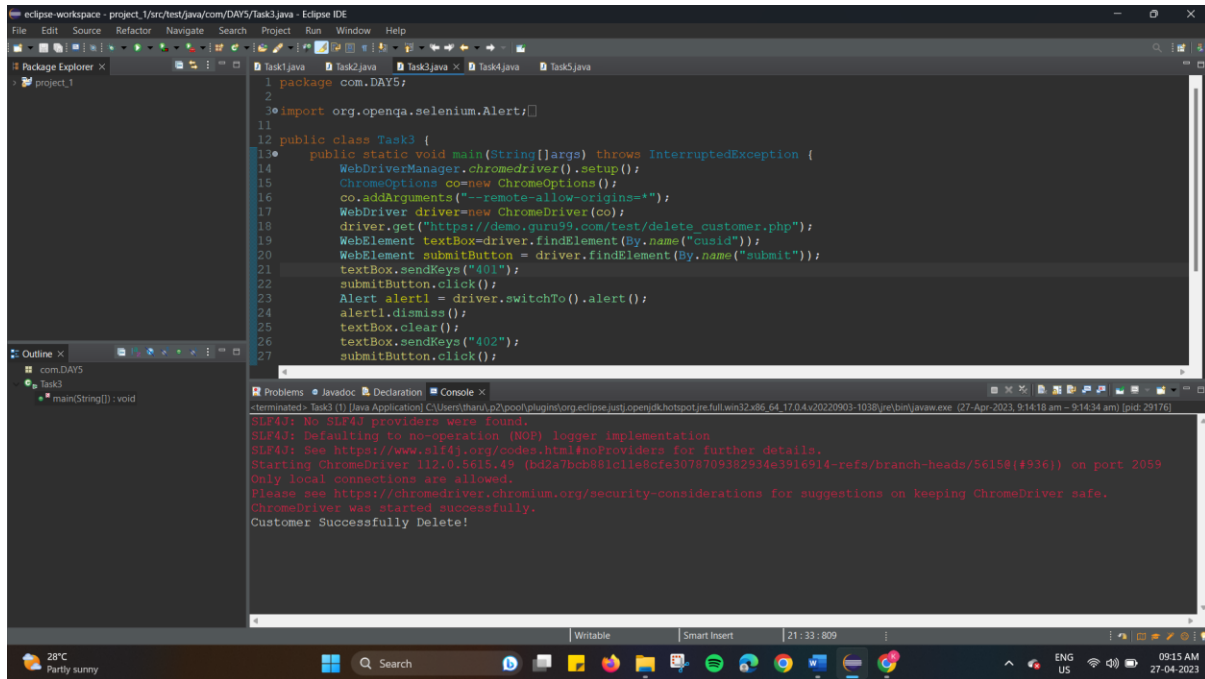
```
1 package com.day5;
2
3 import org.openqa.selenium.Alert;
4
5 public class TEST3 {
6     public static void main(String[] args) throws InterruptedException {
7         System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
8         ChromeOptions co=new ChromeOptions();
9         co.addArguments("--remote-allow-origins=*");
10        WebDriver driver=new ChromeDriver(co);
11        driver.get("https://demo.guru99.com/test/delete_customer.php");
12        WebElement textBox=driver.findElement(By.name("cusid"));
13        WebElement submitButton = driver.findElement(By.name("submit"));
14        textBox.sendKeys("401");
15        submitButton.click();
16        Alert alert1 = driver.switchTo().alert();
17        alert1.dismiss();
18        textBox.clear();
19        textBox.sendKeys("402");
20        submitButton.click();
21        Alert alert2 = driver.switchTo().alert();
22        alert2.accept();
23        Alert alert3 = driver.switchTo().alert();
24        String text = alert3.getText();
25        alert3.accept();
26        System.out.println(text);
27    }
28 }
```

### Output:



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The screenshot displays the Eclipse IDE interface. The main editor window shows a Java file named `Task3.java` with the following code:

```
1 package com.DAY5;
2
3 import org.openqa.selenium.Alert;
4
5 public class Task3 {
6     public static void main(String[] args) throws InterruptedException {
7         WebDriverManager.chromedriver().setup();
8         ChromeOptions co=new ChromeOptions();
9         co.addArguments("--remote-allow-origins=*");
10        WebDriver driver=new ChromeDriver(co);
11        driver.get("https://demo.guru99.com/test/delete_customer.php");
12        WebElement textBox=driver.findElement(By.name("cusid"));
13        WebElement submitButton = driver.findElement(By.name("submit"));
14        textBox.sendKeys("401");
15        submitButton.click();
16        Alert alert1 = driver.switchTo().alert();
17        alert1.dismiss();
18        textBox.clear();
19        textBox.sendKeys("402");
20        submitButton.click();
21    }
22 }
```

The Package Explorer on the left shows the project structure with `com.DAY5` and `Task3`. The Outline view shows `main(String[]) : void`. The Console view at the bottom displays the following output:

```
terminated: Task3 [1] [Java Application] C:\Users\hanu\p2\gpc\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win12.x86_64.17.0.4.v20220903-1038\jre\bin\java.exe (27-Apr-2023, 9:14:18 am - 9:14:34 am) [pid: 29176]
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 (bd2a7bcb86f1c11e8cfe3078709382934e3916914-refa/branch-heads/56150(4936)) on port 2059
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Customer Successfully Delete!
```

The status bar at the bottom shows the system clock as 21:33:809 on 27-04-2023, with weather information indicating 28°C and partly sunny conditions.

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## TASK 04: Automation Of Process

### Code:

```
package com.day5;

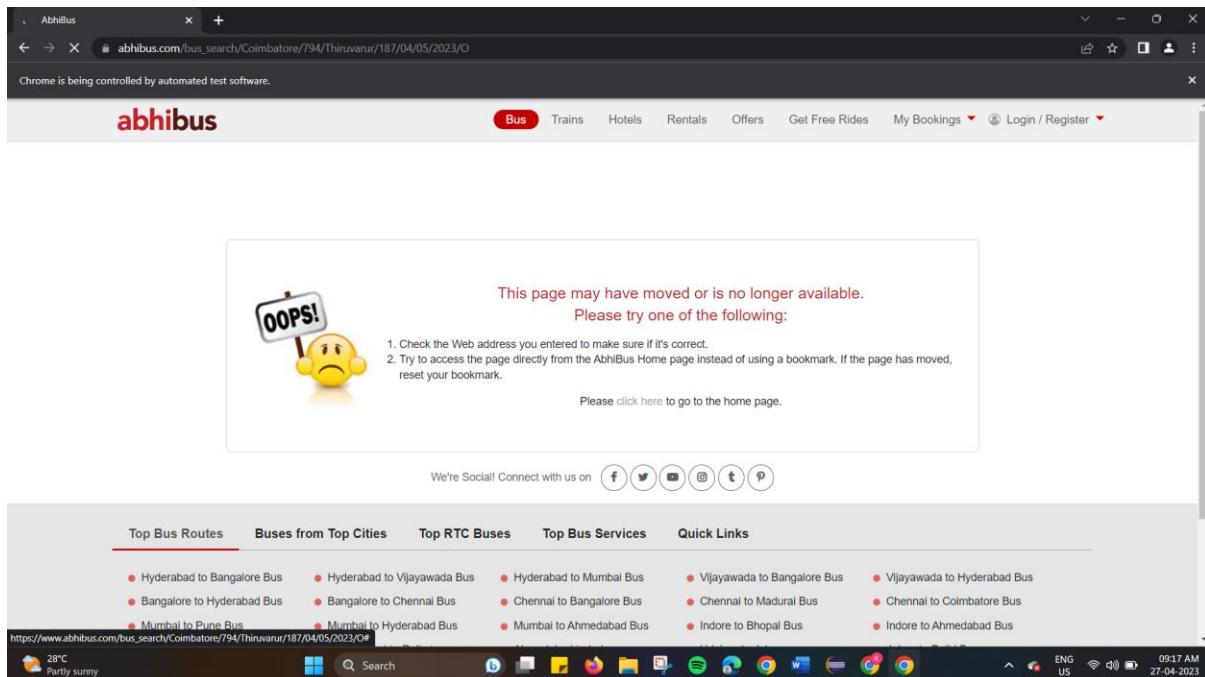
import org.openqa.selenium.By;

public class TEST4 {

    public static void main(String[] args) throws InterruptedException {

        System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.get("https://www.abhibus.com/bus-ticket-booking");
        WebElement fname=driver.findElement(By.id("source"));
        fname.sendKeys("COIMBATORE", Keys.ENTER);
        Thread.sleep(3000);
        fname.sendKeys(Keys.ENTER);
        WebElement dname=driver.findElement(By.id("destination"));
        dname.sendKeys("GOA", Keys.ENTER);
        Thread.sleep(3000);
        dname.sendKeys(Keys.ENTER);
        WebElement tname=driver.findElement(By.xpath("//*[@id=\"datepicker1\"]"));
        tname.click();
        JavascriptExecutor js=(JavascriptExecutor)driver;
        js.executeScript("arguments[0].setAttribute('value','04/10/2023')", tname);
        WebElement search=driver.findElement(By.xpath("//*[@id=\"seo_search_btn\"]"));
        search.click();
    }
}
```

### Output:



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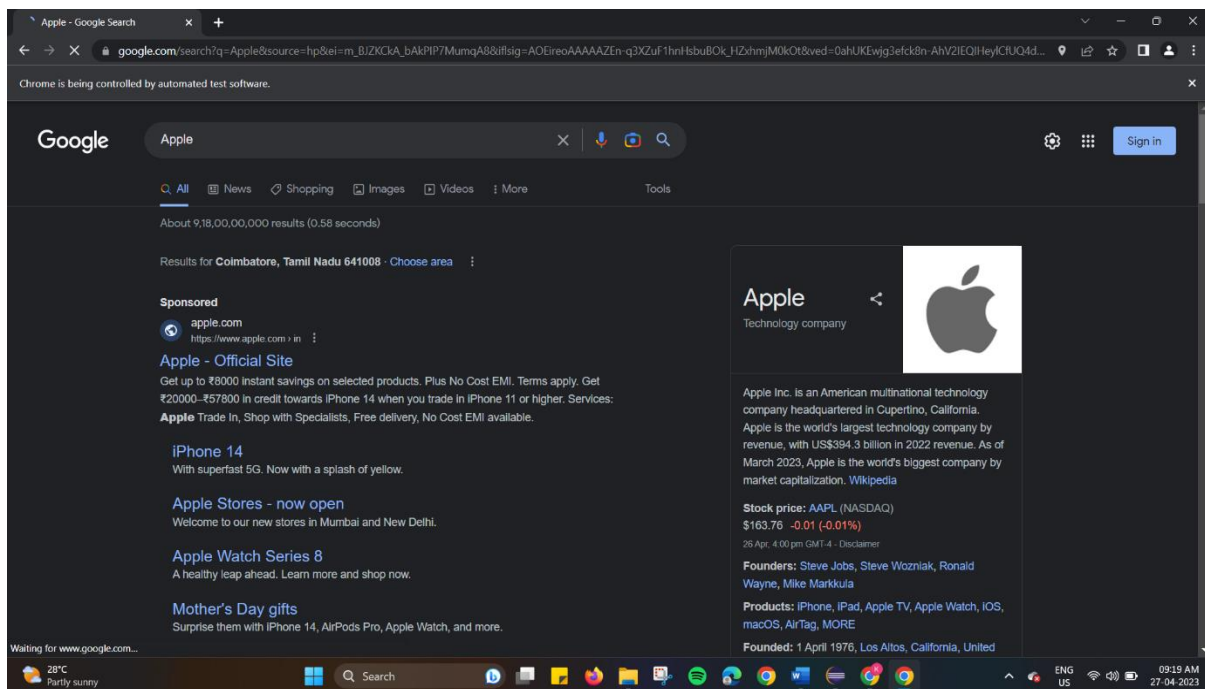
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## TASK 05: Automation Of Process

### Code:

```
1 package com.day5;
2
3 import java.util.Set;
4
5 public class TEST5 {
6
7     public static void main(String[] args) throws InterruptedException {
8         System.setProperty("webdriver.chrome.driver", "E:\\Program Softwares\\chromedriver_win32\\chromedriver.exe");
9         ChromeOptions co=new ChromeOptions();
10        co.addArguments("--remote-allow-origins=*");
11        WebDriver driver=new ChromeDriver(co);
12        driver.get("https://www.google.com");
13        driver.manage().window().maximize();
14
15        driver.findElement(By.name("q")).sendKeys("Apple");
16        driver.findElement(By.name("q")).sendKeys(Keys.ENTER);
17        String parent=driver.getWindowHandle();
18
19        System.out.println(parent);
20        System.out.println(driver.getTitle());
21        driver.switchTo().newWindow(WindowType.TAB);
22        driver.get("https://www.google.com");
23        driver.manage().window().maximize();
24
25        driver.findElement(By.name("q")).sendKeys("Selenium");
26        driver.findElement(By.name("q")).sendKeys(Keys.ENTER);
27        System.out.print("\n"+driver.getWindowHandle());
28
29        System.out.println("\n"+driver.getTitle());
30        driver.switchTo().newWindow(WindowType.TAB);
31        driver.get("https://www.google.com");
32        driver.manage().window().maximize();
33        driver.findElement(By.name("q")).sendKeys("Cucumber");
34        driver.findElement(By.name("q")).sendKeys(Keys.ENTER);
35        System.out.print("\n"+driver.getWindowHandle());
36        Set<String>s = driver.getWindowHandles();
37        System.out.println("Number Of Windows Opened = "+s.size());
38    }
39 }
```

### Output (i) : Apple

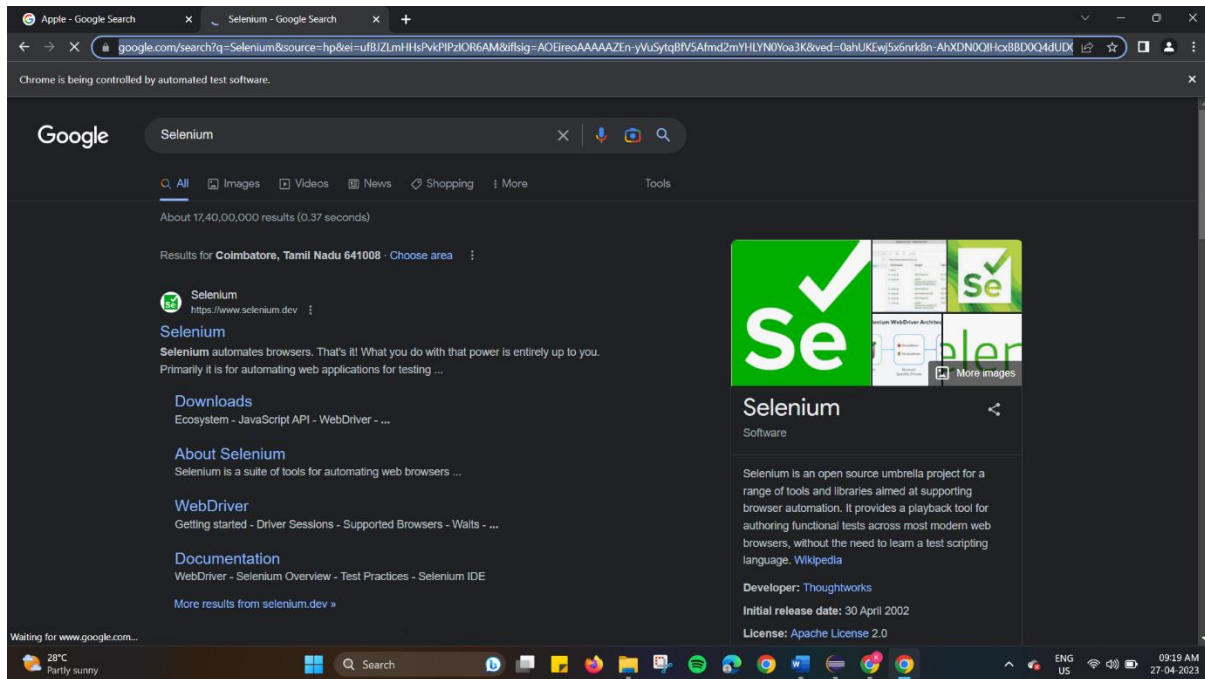


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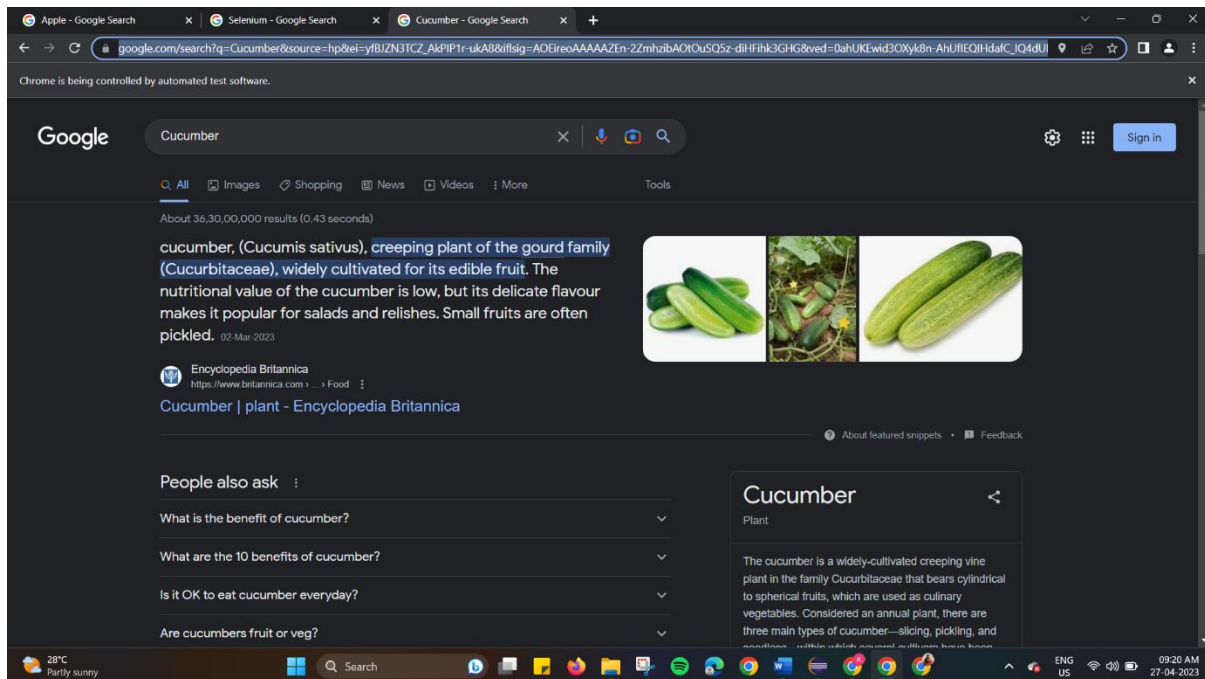
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## Output (ii) : Selenium



## Output (iii) : Cucumber



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