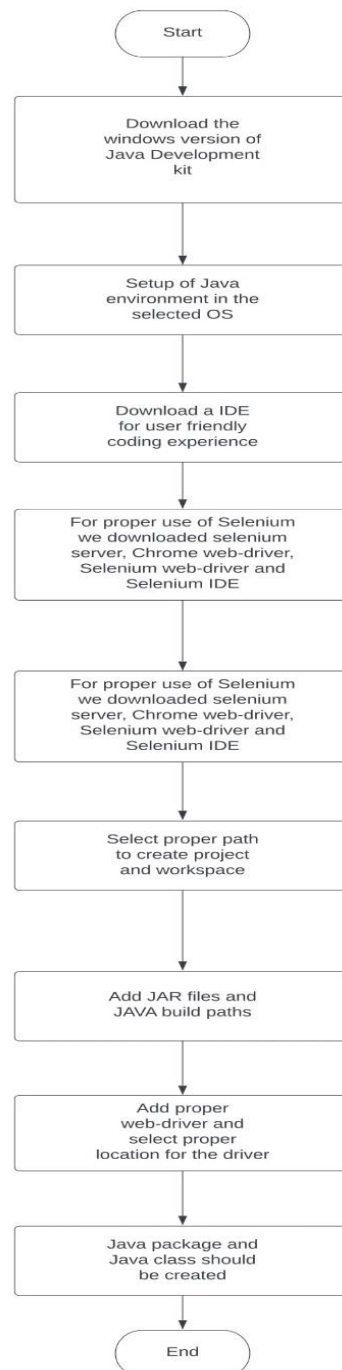
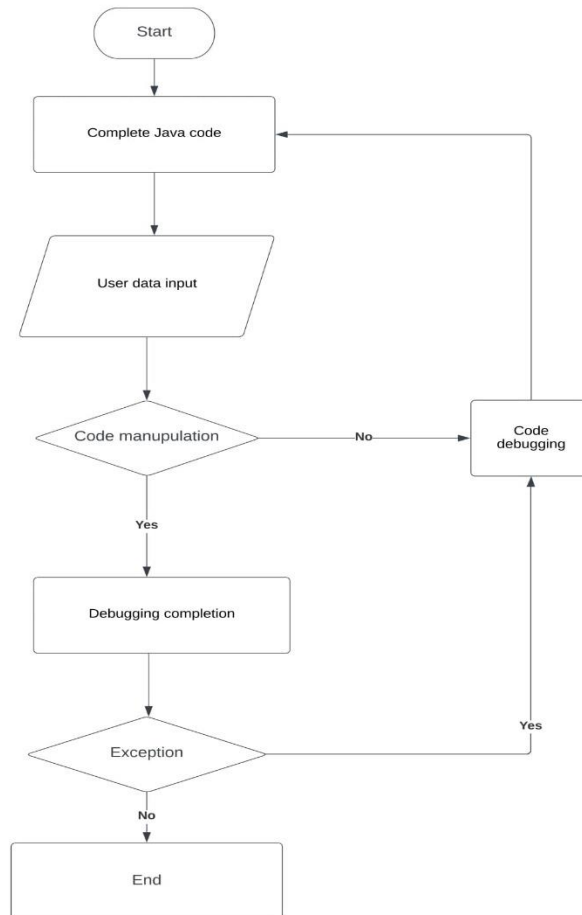


Flowchart of Setting up Selenium Process




Flowchart of Testing Process



Process Descriptions for setting up Selenium


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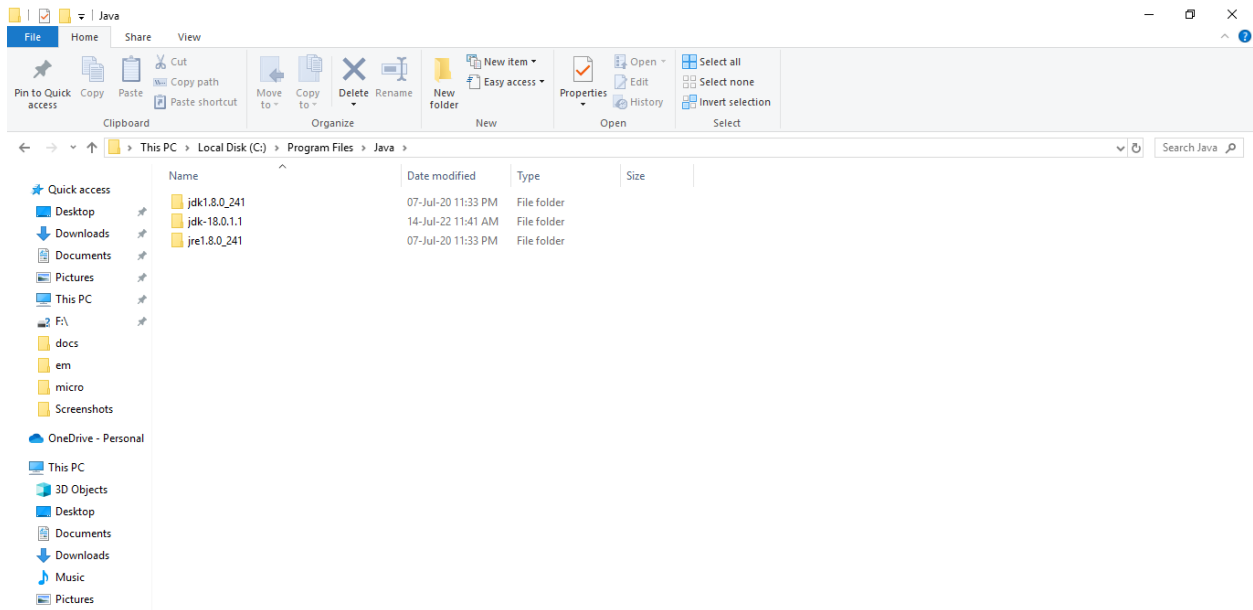
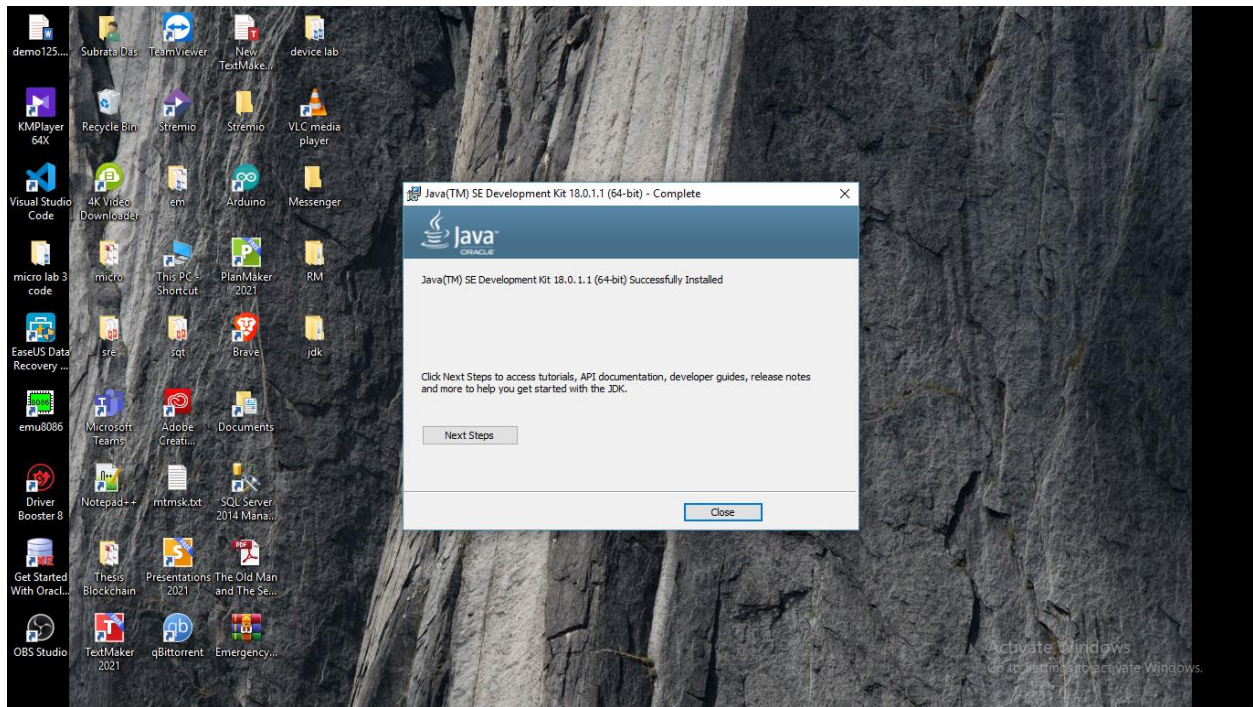
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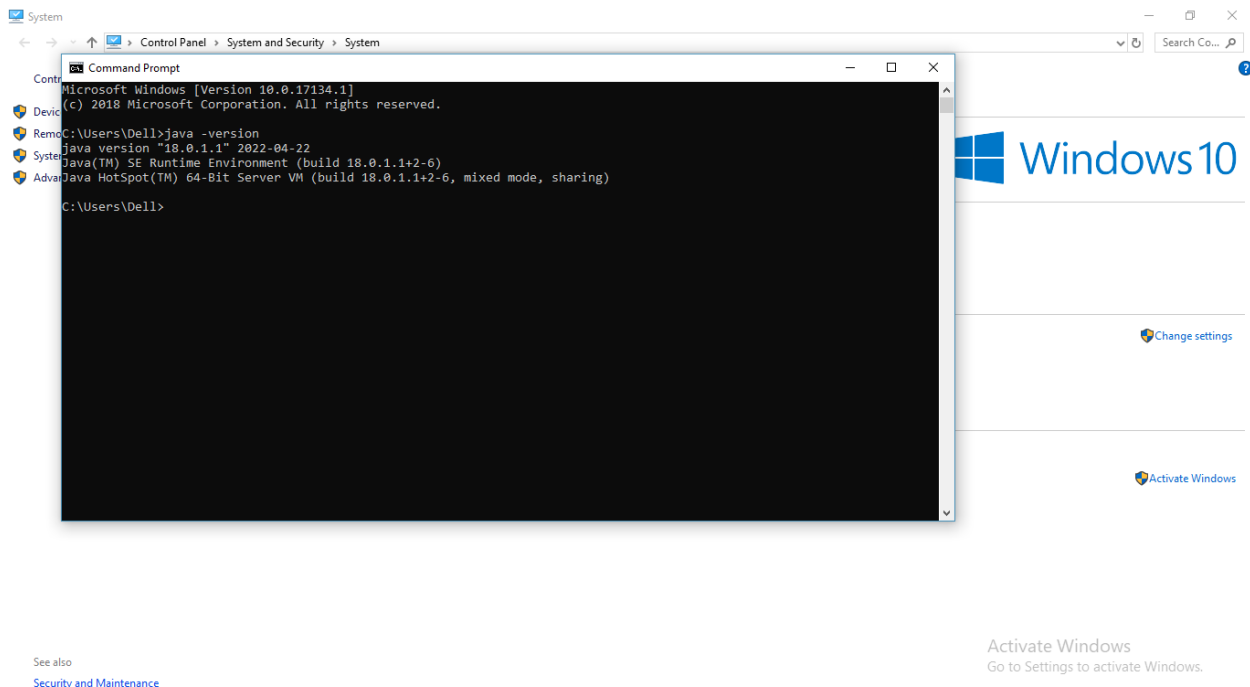
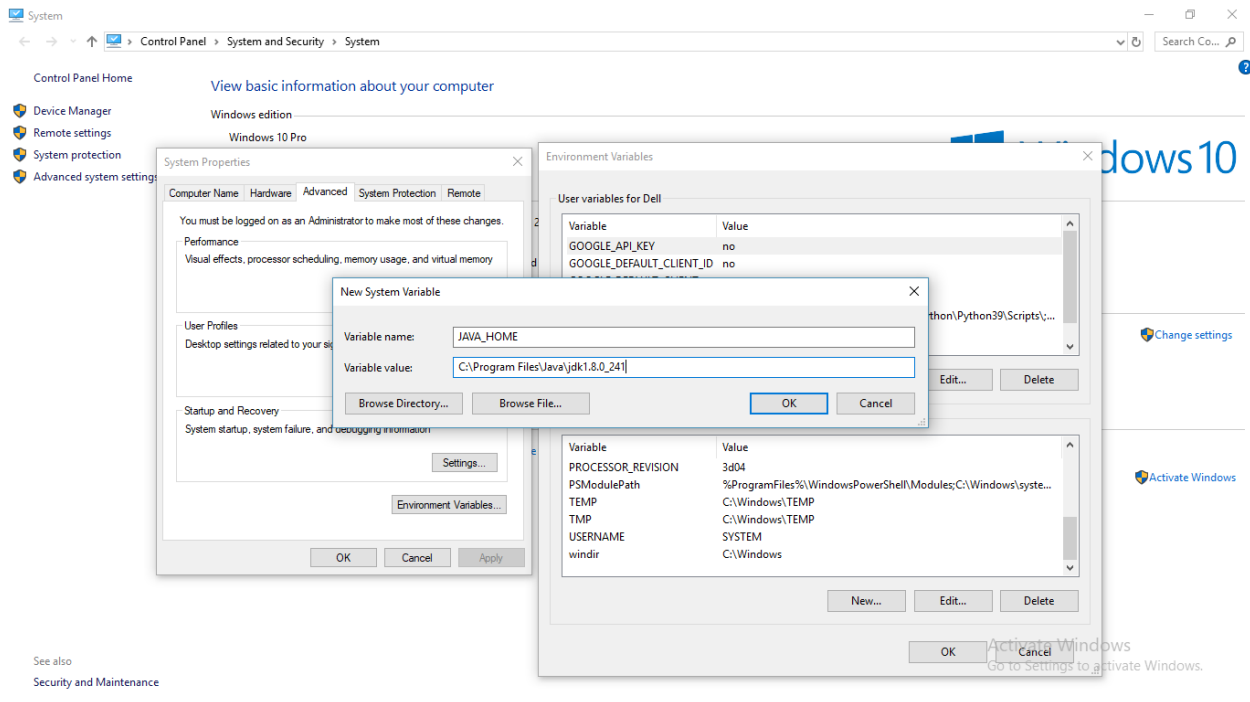
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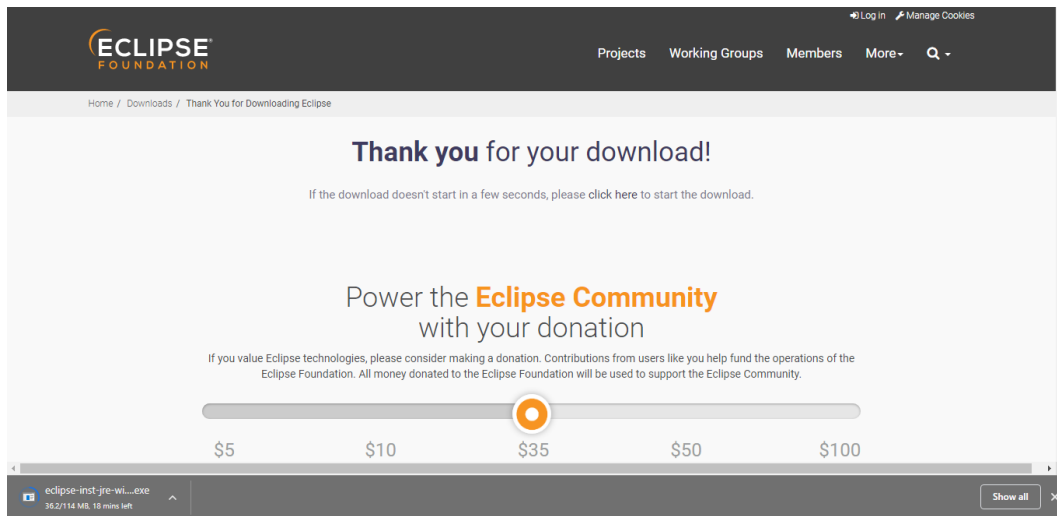
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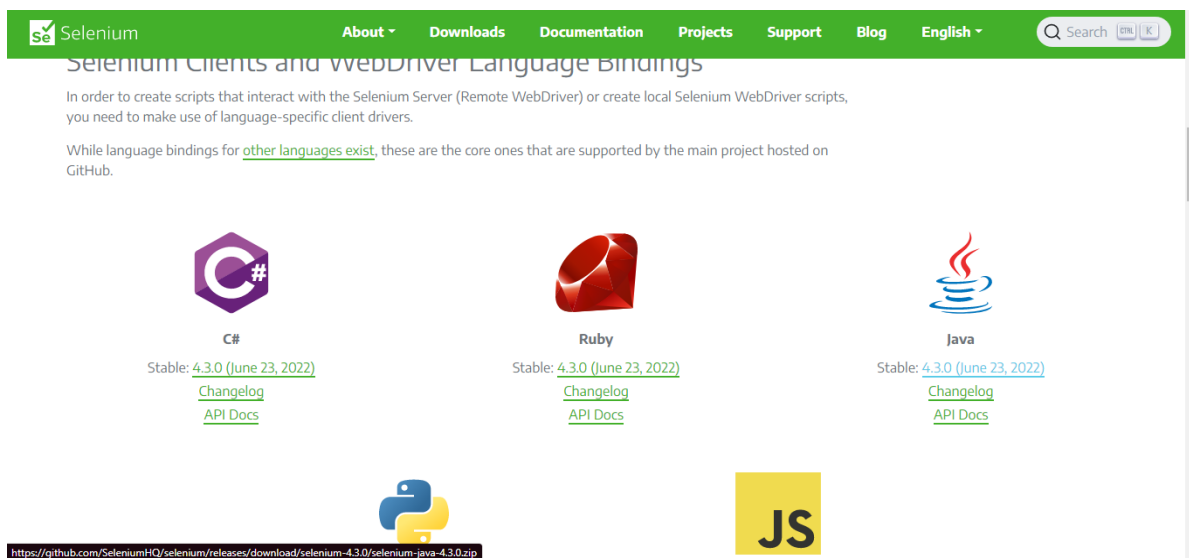
Secondly, Environment Variables for JAVA has been set up




Thirdly, for writing JAVA Eclipse IDE has been Downloaded





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 Selenium

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The Internet Explorer Driver Server

This is required if you want to make use of the latest and greatest features of the WebDriver InternetExplorerDriver.


Please make sure that this is available on your **PATH** in order for the IE Driver to work as expected.

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
<https://github.com/SeleniumHQ/selenium/releases/download/selenium-4.2.0/IEDriverServer.exe> Server (Remote WebDriver) or create local Selenium WebDriver scripts,

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www.nuget.org/List/Packages/Selenium.WebDriver

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PM> Install-Package Selenium.WebDriver -Version 4.3.0

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Selenium is a set of different software tools each with a different approach to supporting browser automation. These tools are highly flexible, allowing many options for locating and manipulating elements within a browser, and one of its key features is the support for automating multiple browser platforms. This package contains the .NET bindings for the concise and object-based Selenium WebDriver API, which uses native OS-level events to manipulate the browser, bypassing the JavaScript sandbox, and does not require the Selenium Server to automate the browser.

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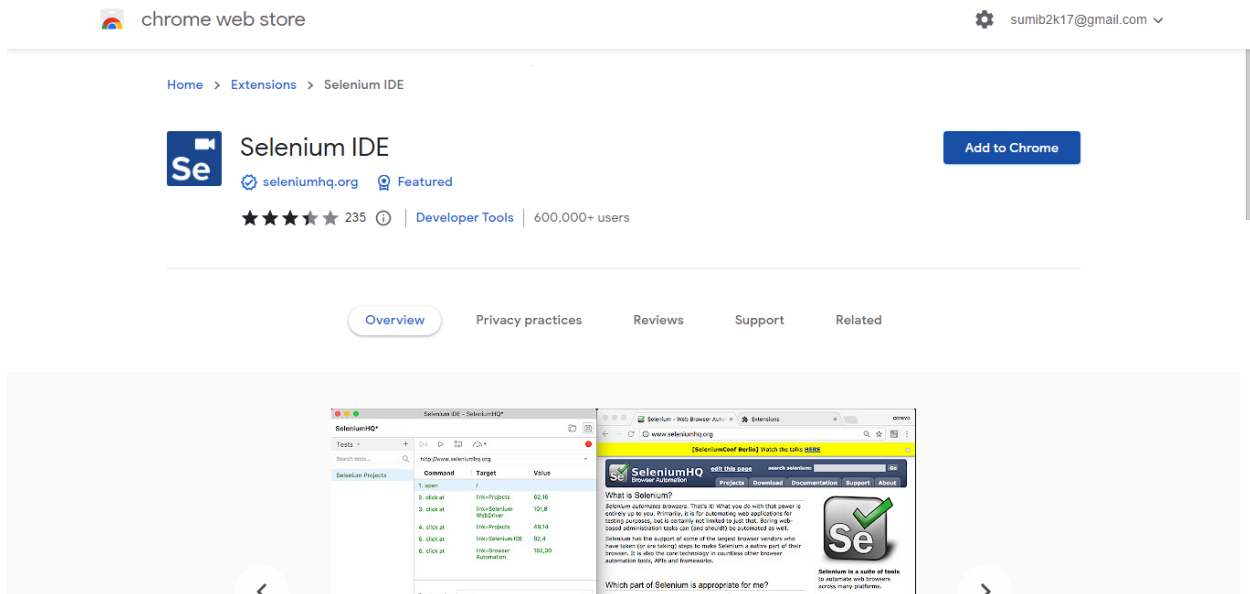
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<https://www.nuget.org/api/v2/package/Selenium.WebDriver/4.3.0>

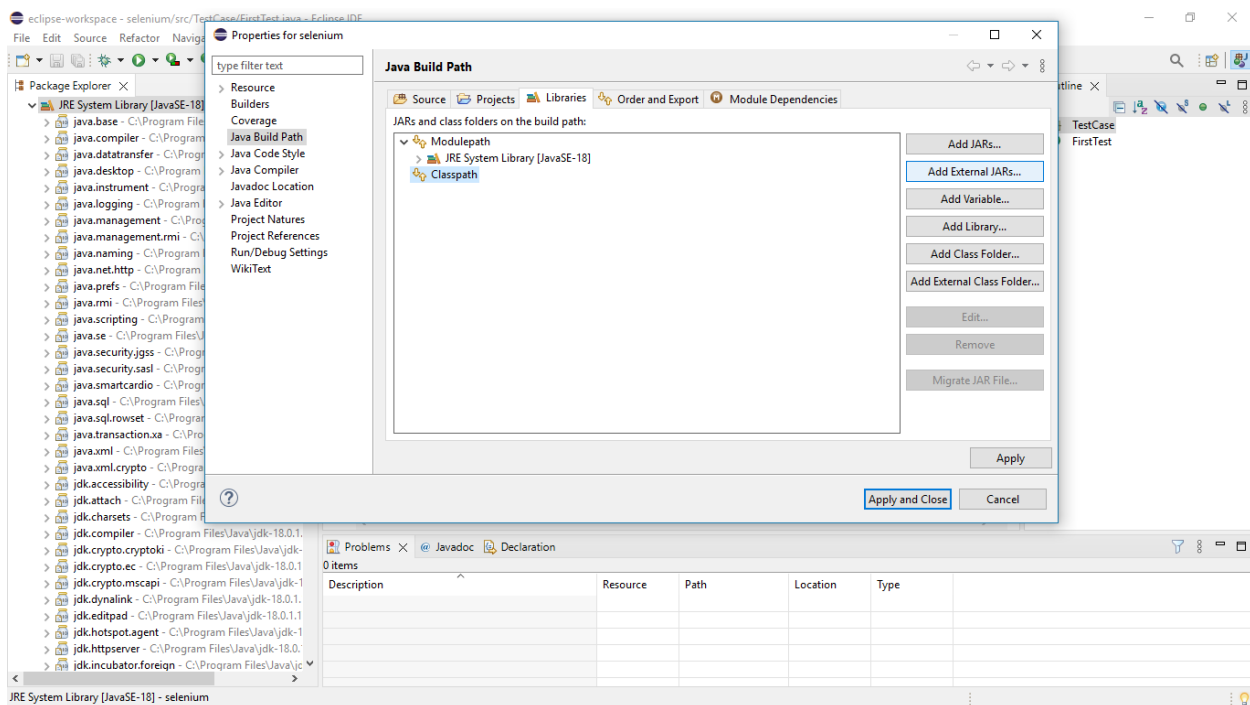
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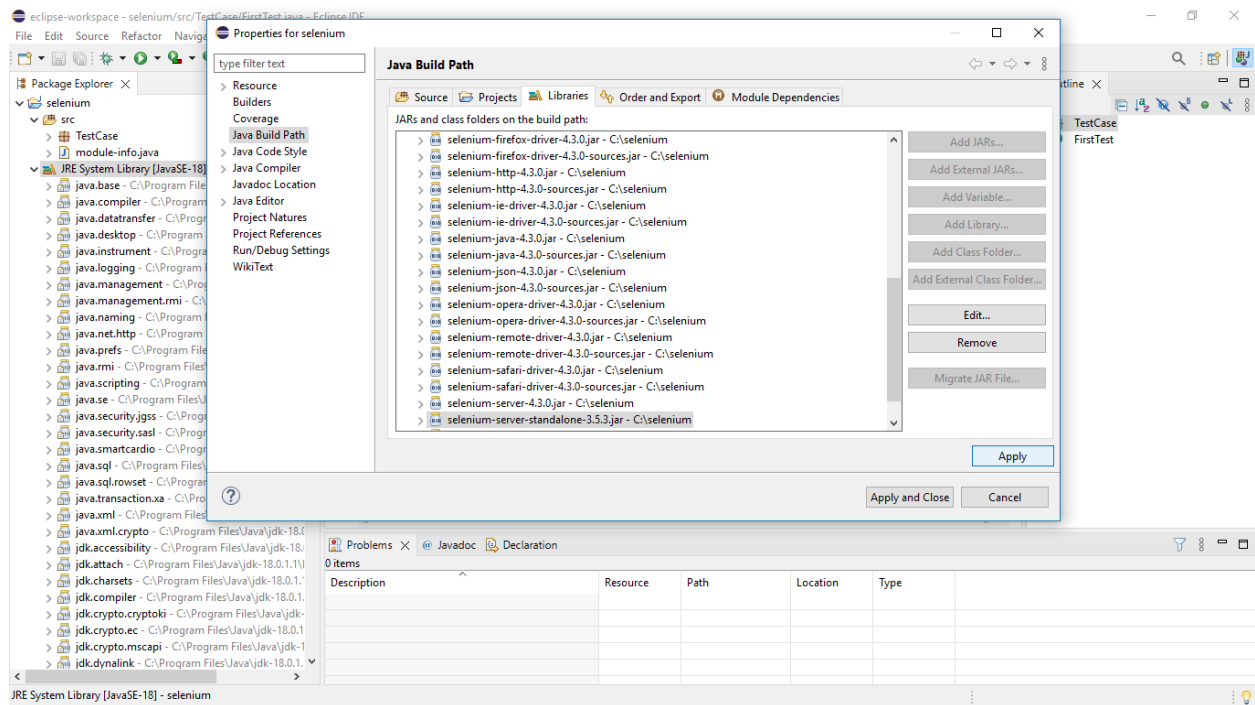
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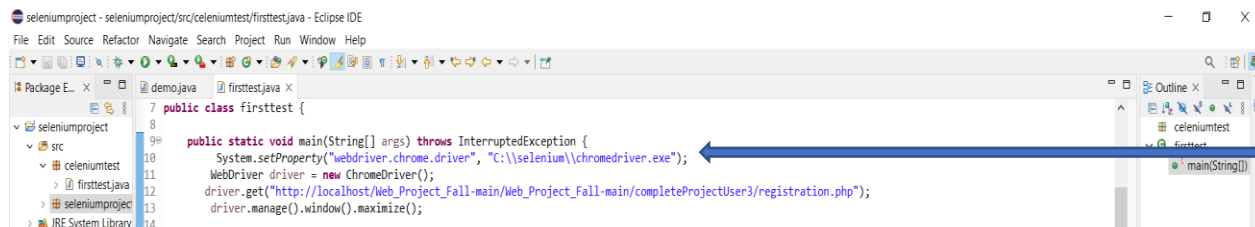


Then, Added all the external JAR files into JAVA build path.





Then JAVA package and JAVA class has been created and then driver location has been added in the codes.



Description of Testing Process using Selenium

Firstly, proper codes have been written for testing a web projects login and registration page is working correctly or not. Thus all input data has been provided.

- **Code**

package celeniumtest;

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class firsttest {
    public static void main(String[] args) throws InterruptedException {
        System.setProperty("webdriver.chrome.driver",
"C:\\selenium\\chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        driver.get("http://localhost/Web_Project_Fall-main/Web_Project_Fall-
main/completeProjectUser3/registration.php");
        driver.manage().window().maximize();
        driver.findElement(By.id("fname")).sendKeys("Subrata ");
        Thread.sleep(3000);
        driver.findElement(By.id("lname")).sendKeys("Das");
        Thread.sleep(3000);
        driver.findElement(By.id("username")).sendKeys("SD123");
        Thread.sleep(3000);
        driver.findElement(By.id("age")).sendKeys("22");
        Thread.sleep(3000);
        driver.findElement(By.id("mobile")).sendKeys("01761147512");
        Thread.sleep(3000);
        driver.findElement(By.id("email")).sendKeys("sumib2k17@gmail.com");
        Thread.sleep(3000);
        driver.findElement(By.id("password")).sendKeys("Sumib2k17@");
        Thread.sleep(3000);
        driver.findElement(By.className("registerbtn")).click();
        driver.get("http://localhost/Web_Project_Fall-main/Web_Project_Fall-
main/completeProjectUser3/view/login.php");
```

```

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

    driver.findElement(By.id("username")).sendKeys("SD123");

    Thread.sleep(3000);

    driver.findElement(By.id("password")).sendKeys("Sumib2k17@");

    Thread.sleep(3000);

    driver.findElement(By.className("submit")).click();

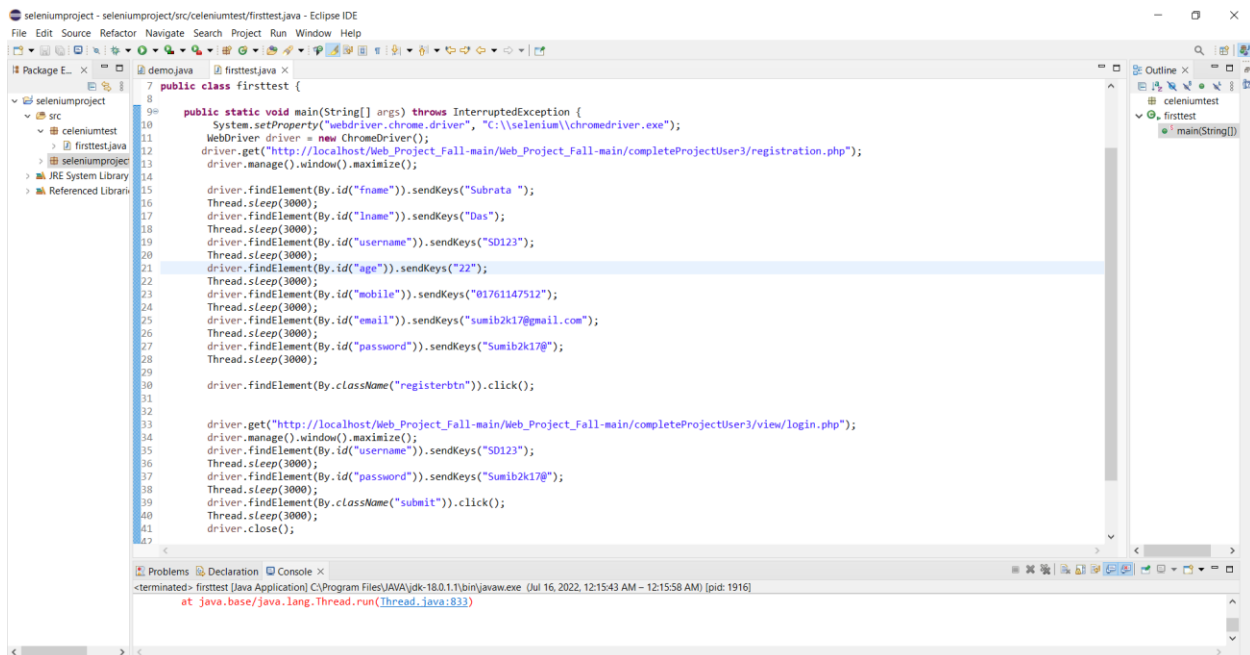
    Thread.sleep(3000);

    driver.close();

}

}

```



localhost/Web_Project_Fall-main: x +

localhost/Web_Project_Fall-main/completeProjectUser3/registration.php

Chrome is being controlled by automated test software.

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Sign Up

Please fill in this form to create an account.

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Last Name:

User Name:

Age:

Please select your gender: ☒ Male ☐ Female ☐ Other

Mobile Number:

Email:

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User Name:

Age:

Please select your gender: ☒ Male ☐ Female ☐ Other

Mobile Number:

Email:

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User Name:

Age:

Please select your gender: ☒ Male ☐ Female ☐ Other

Mobile Number:

Email:

localhost/Web_Project_Fall-main: x +

localhost/Web_Project_Fall-main: Web_Project_Fall-main/completeProject/User3/registration.php

Chrome is being controlled by automated test software.

Please fill in this form to create an account

First Name: Subrata

Last Name: Das

Email Address: SD123

Age: 22

Please select your gender: ☒ Male ☐ Female ☐ Other

Mobile Number: 01761147512

Email: sumit2k17@gmail.com

Password: Sumit2k17@

Please give a profile picture to your account: Choose File

