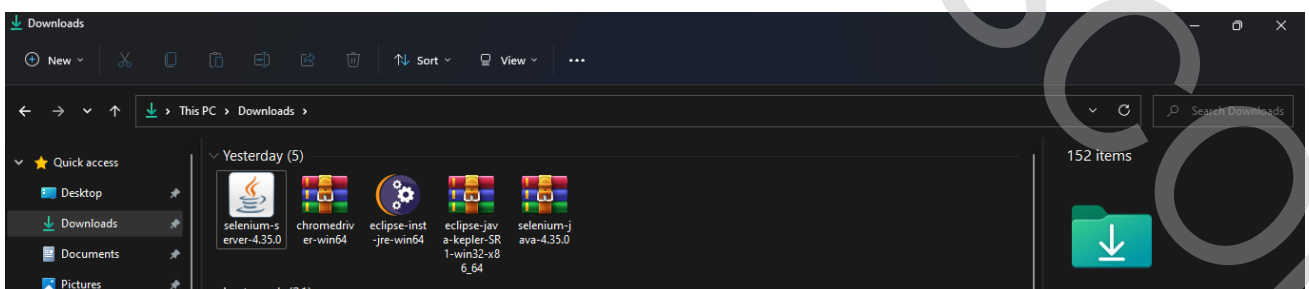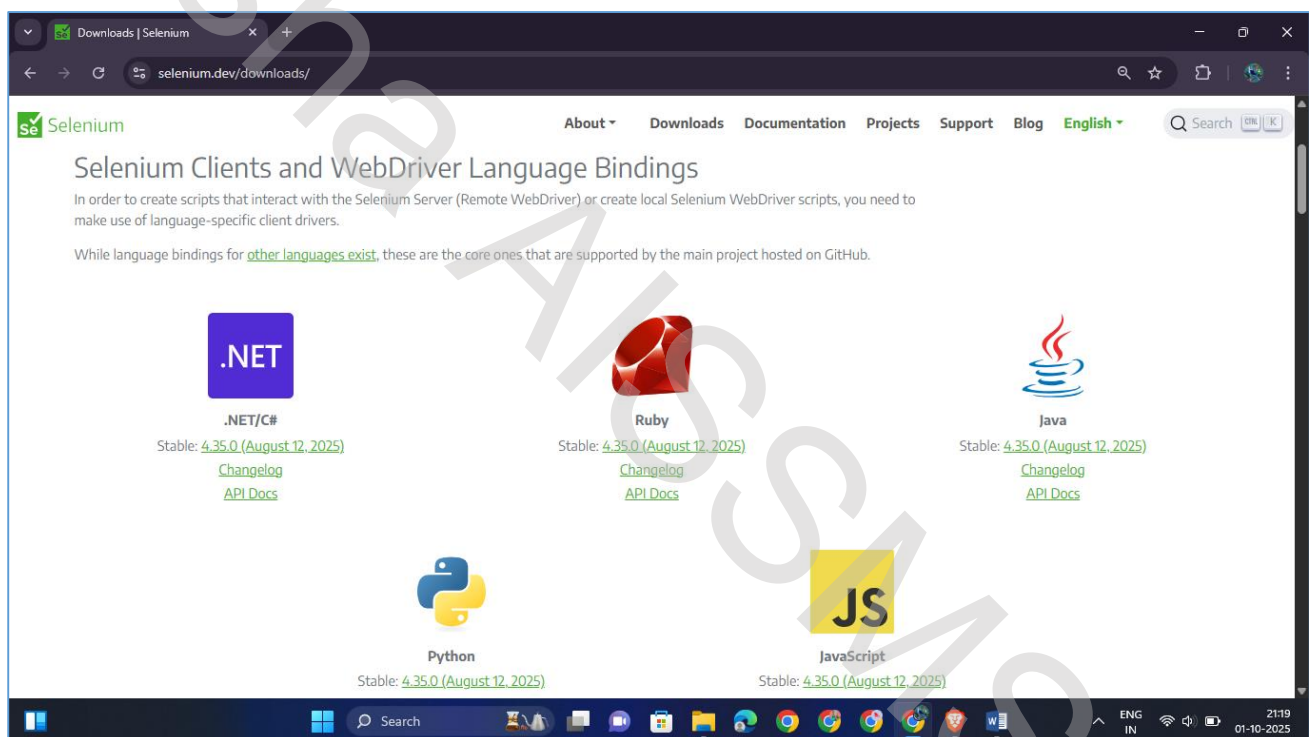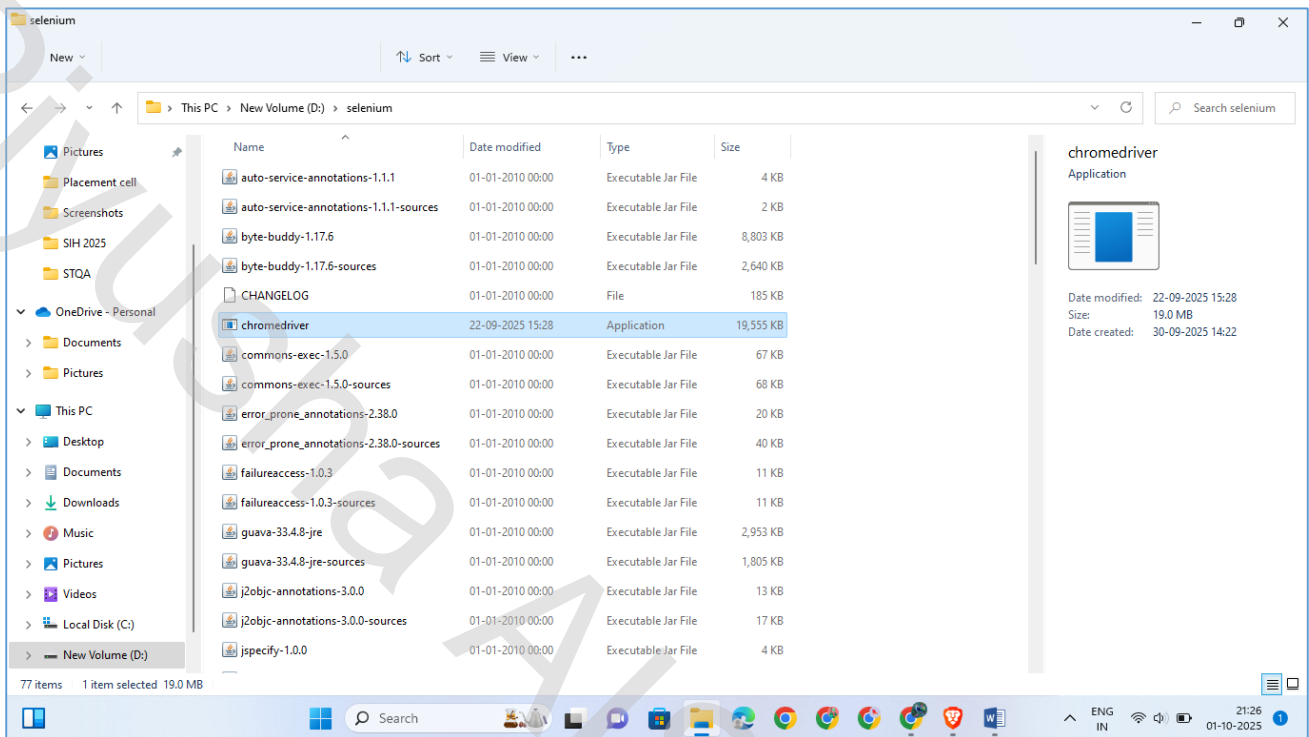## Practical 5: Installation of Selenium grid and selenium Web driver & java eclipse (automation tools)

**The basic steps followed for installation:**
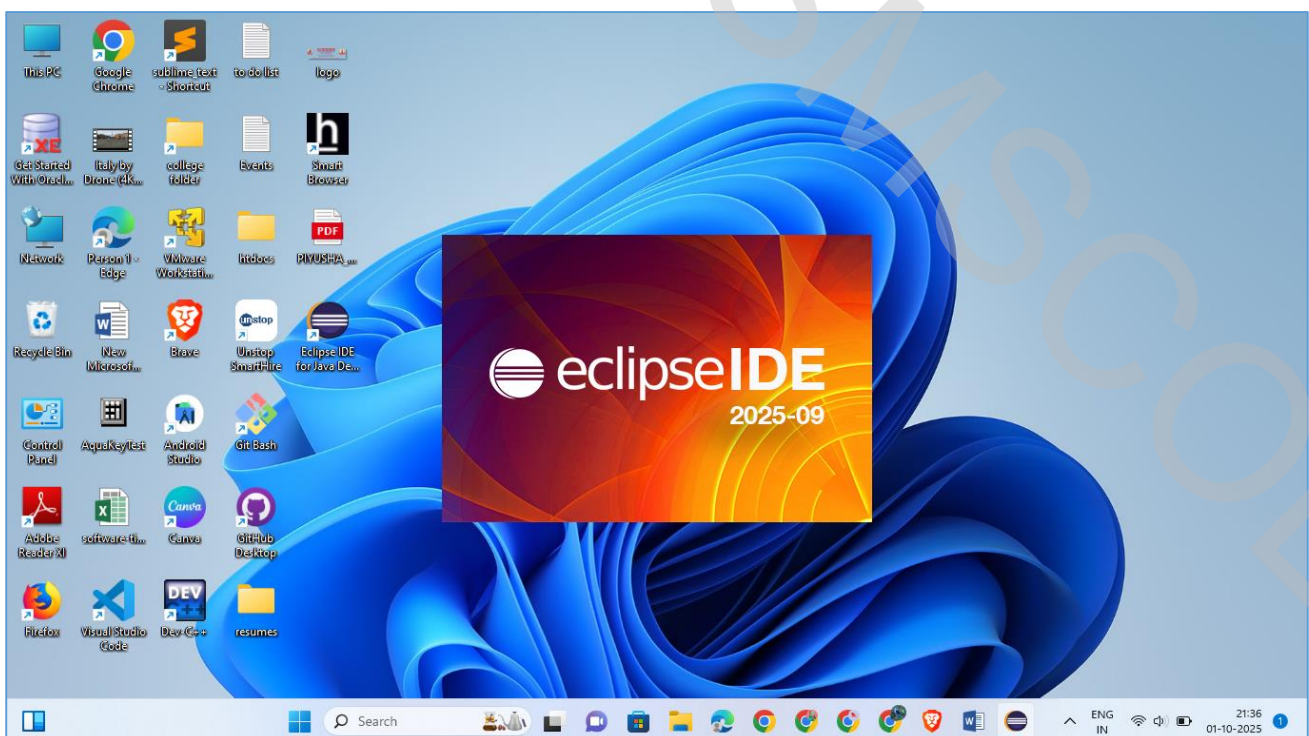
[1] For installing selenium, the jar files of selenium will be required which can be downloaded from the given link. https://www.selenium.dev/downloads/

[2] From this link download the chromium driver for your version of chrome: https://developer.chrome.com/docs/chromedriver/downloads

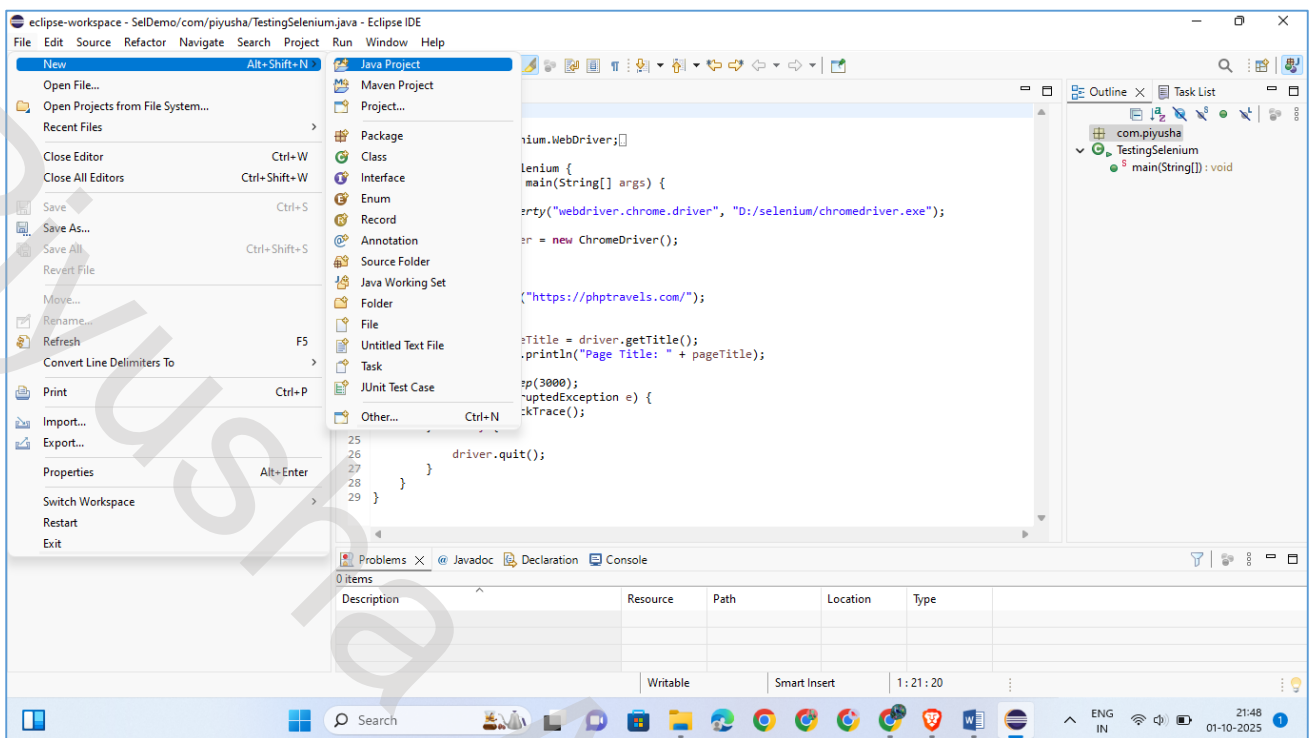[3] Make sure the eclipse IDE is installed and set up properly

**[4]** Extract the zip file of selenium and the chrome driver and keep in a separate folder, the path of which will be needed further
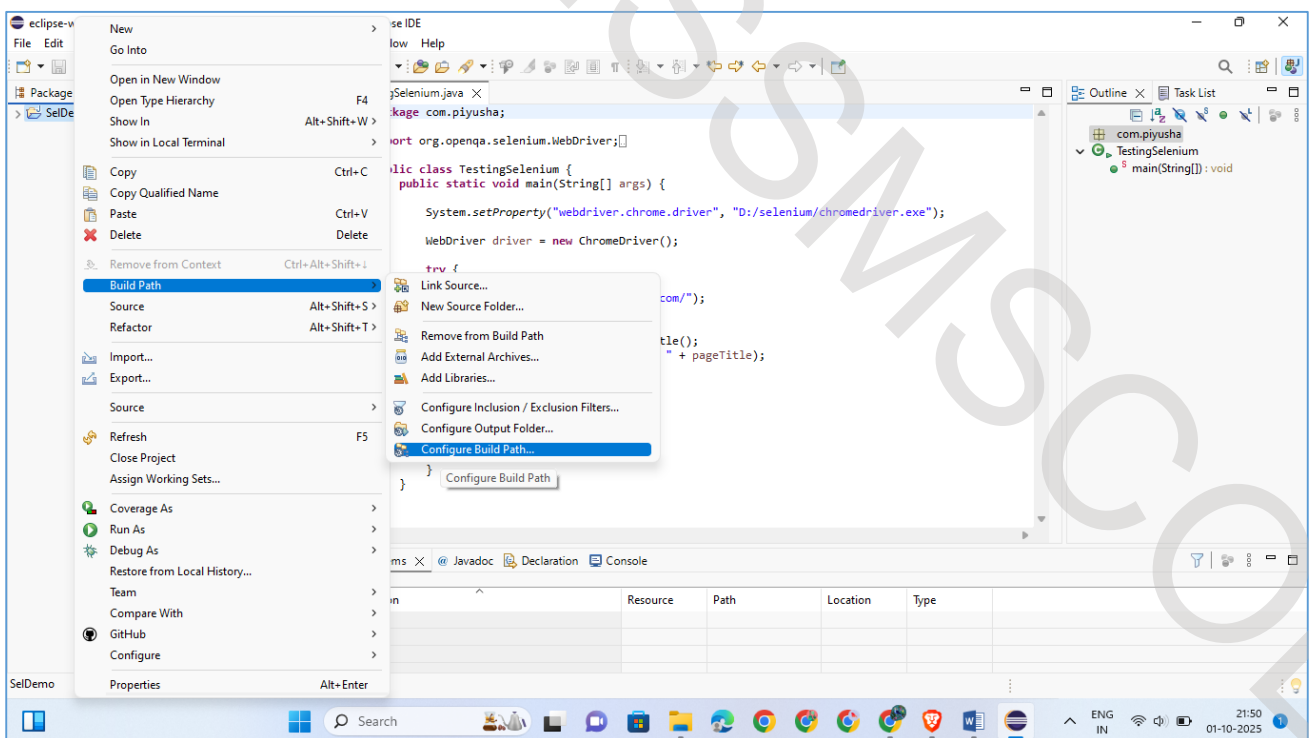


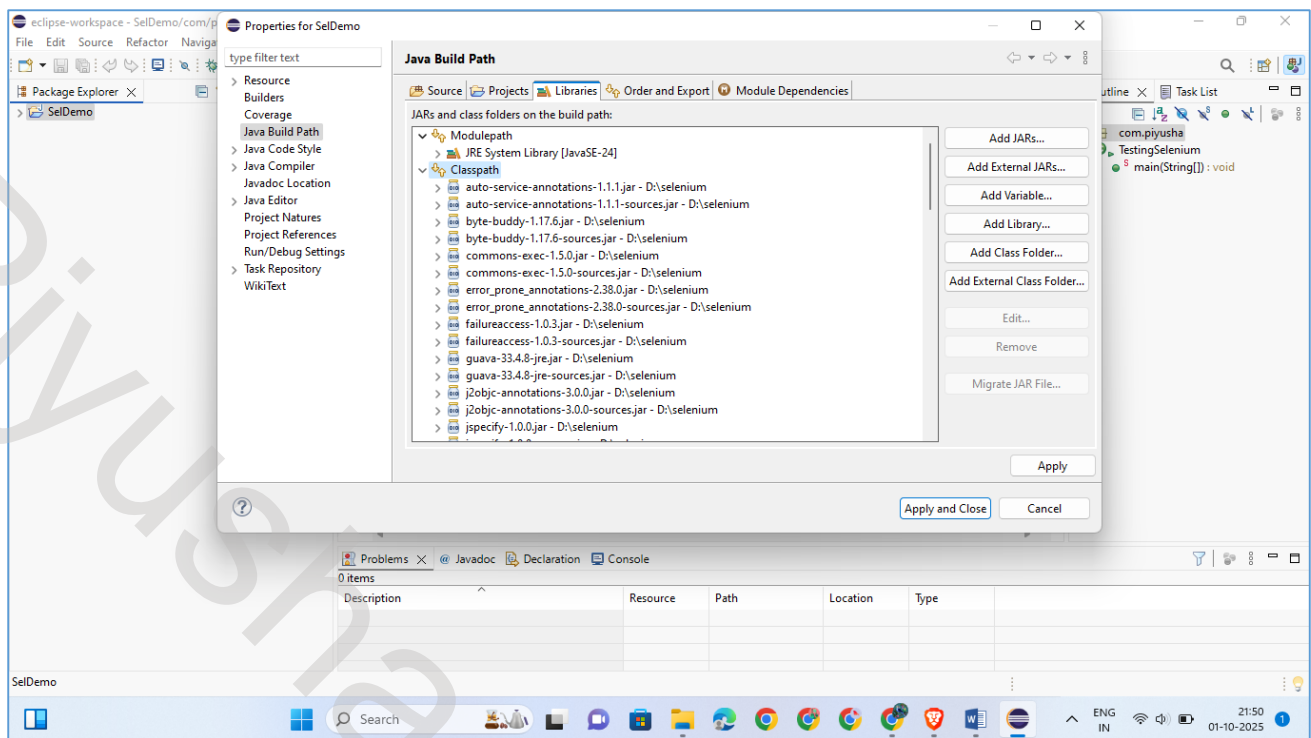**[5]** Launch the eclipse IDE in your preferred workspace

**[6] Create a new java Project, name it and click on finish**
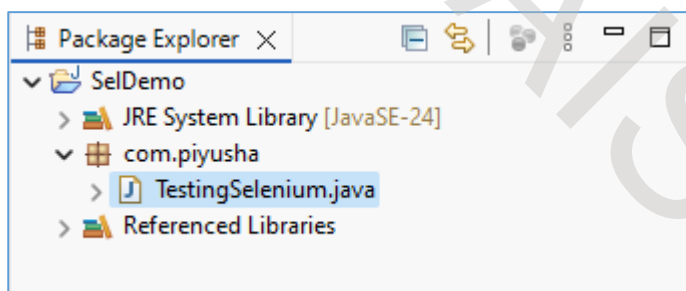


**[7] Once the project is created, right click on the project and click on build path and then in the dialog menu click on configure build path**



**[8] Under Libraries -> classpath -> add the jar files extracted from the selenium zip file**

## [9] Create your package and class under the project and refresh



## [10] Now write a basic code of selenium in the Java class

**package com.piyusha;**

**import org.openqa.selenium.WebDriver;**

**import org.openqa.selenium.chrome.ChromeDriver;**

**public class TestingSelenium {**

   **public static void main(String[] args) {**

      **System.setProperty("webdriver.chrome.driver", "D:/selenium/chromedriver.exe");**

      **WebDriver driver = new ChromeDriver();**

      **try {**

         **driver.get("https://piyushaaa.blogspot.com/");**

         **String pageTitle = driver.getTitle();**

         **System.out.println("Page Title: " + pageTitle);**

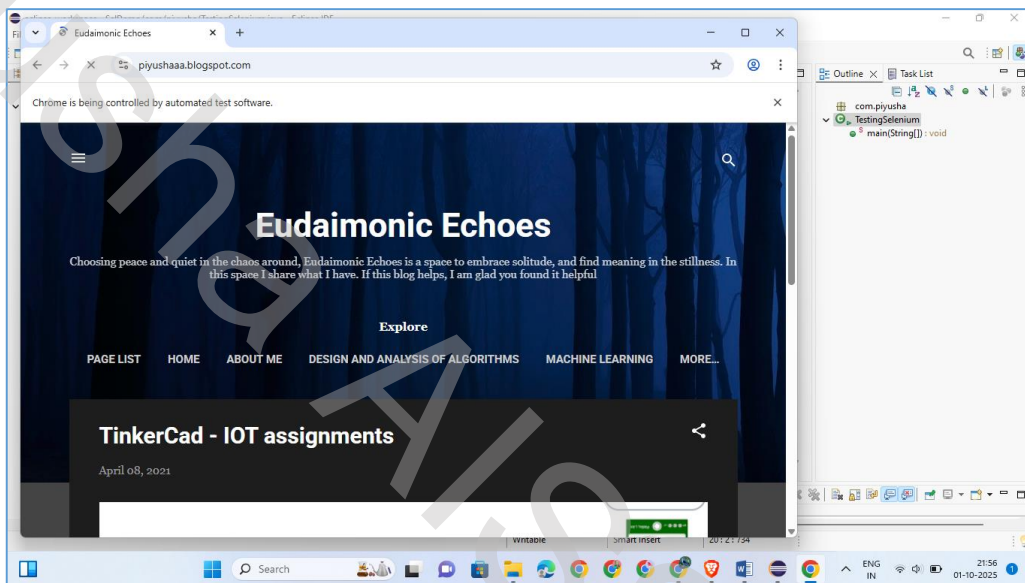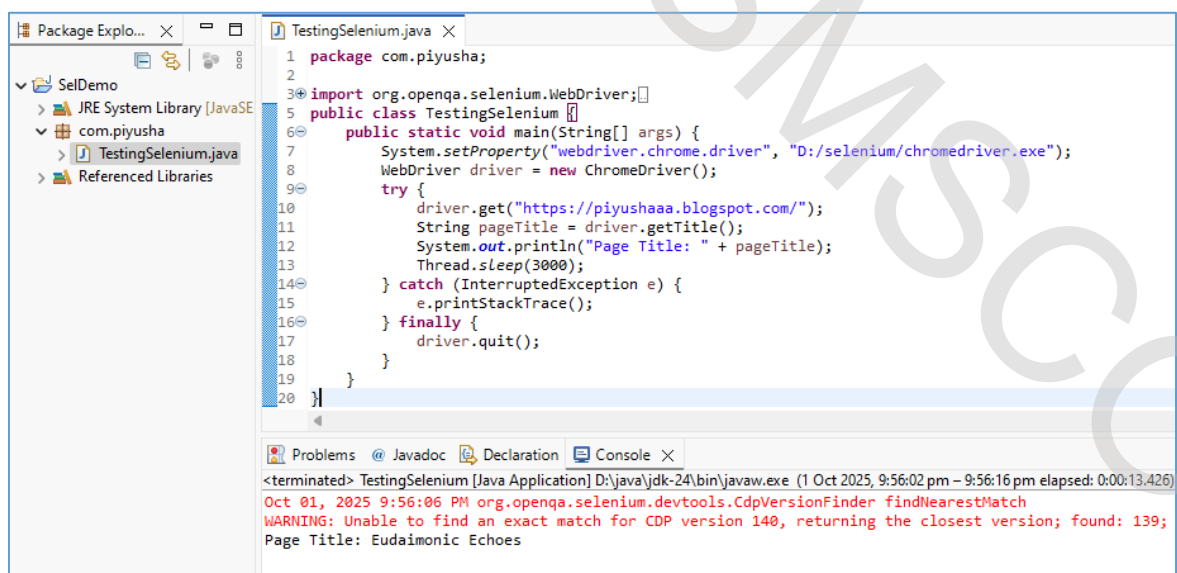         **Thread.sleep(3000);**

```
    } catch (InterruptedException e) {

        e.printStackTrace();

    } finally {

        driver.quit();

    }

  }

}
```

[11] Run the code and a new window will open for testing your web application



[12] Console output – Page title is returned -



**Conclusion**: We can thus conclude that the selenium is successfully installed and linked with the chromium driver for web application testing using java, selenium and webdrivers.