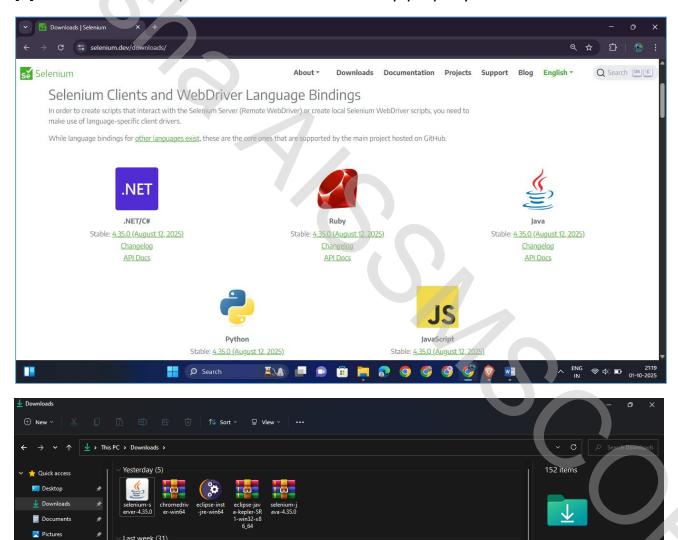
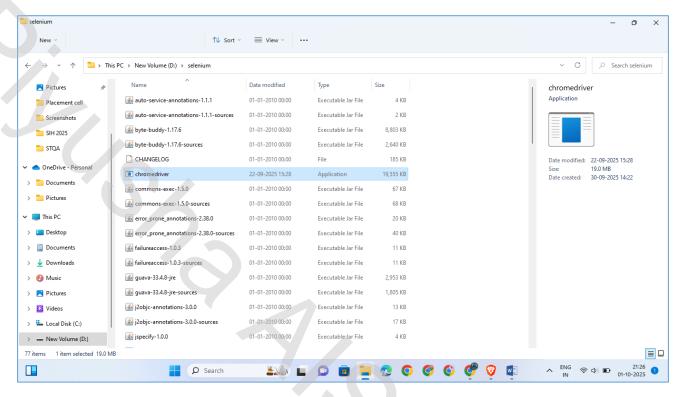
## <u>Practical 5: Installation of Selenium grid and selenium Web driver & java eclipse</u> (automation tools)

## 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. <a href="https://www.selenium.dev/downloads/">https://www.selenium.dev/downloads/</a>
- [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

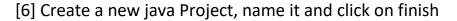


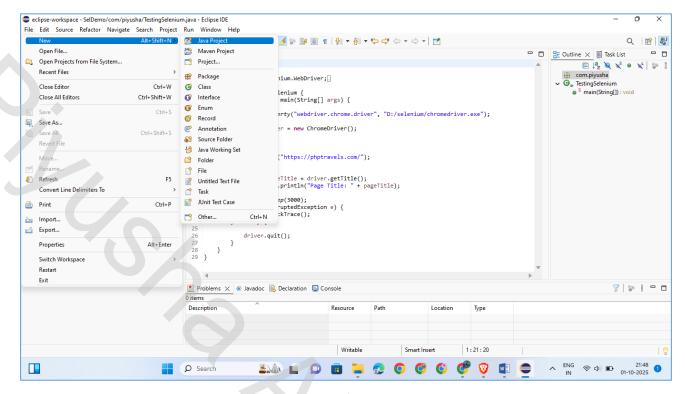
[4] Extract the zip file of selenium and the chrome driver and keep in a separate folder, the path of which will be needed further



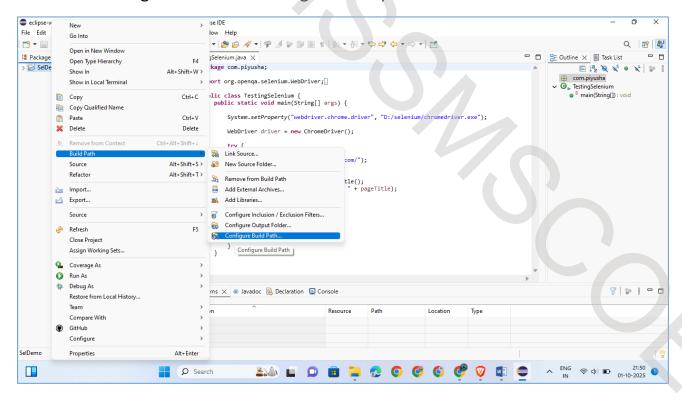
## [5] Launch the eclipse IDE in your preferred workspace



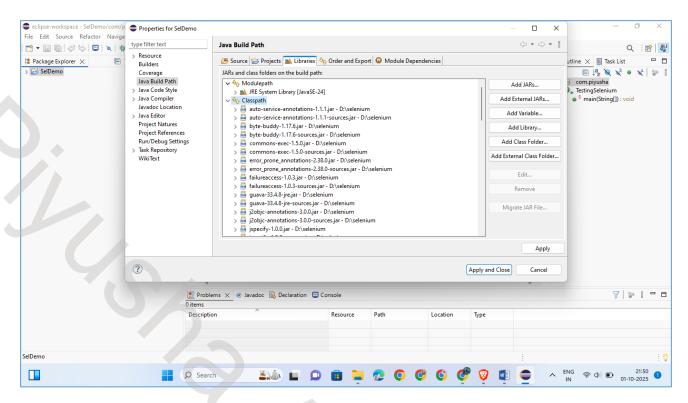




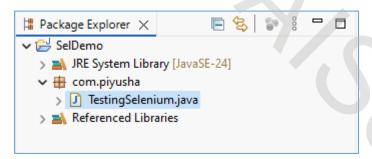
[7] Once the project is created, right click on the project and click on build path and then in the dialog menu click on configure build path



[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

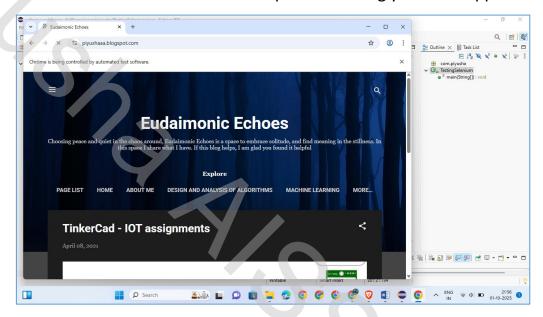


[10] Now write a basic code of selenium in the Java class

```
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 -

```
🖁 Package Explo... 🗴 🗀 🗖

☑ TestingSelenium.java ×
                                     1 package com.piyusha;
               🗸 📂 SelDemo
                                     3⊕ import org.openqa.selenium.WebDriver;
5 public class TestingSelenium {
  > M JRE System Library [JavaSE
                                            🗸 🌐 com.piyusha
                                                  System.setProperty("webdriver.chrome.d
WebDriver driver = new ChromeDriver();
     > A Referenced Libraries
                                                       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();
                                  Problems @ Javadoc Q Declaration Q Console X
                                  <terminated> TestingSelenium [Java Application] D:\java\jdk-24\bin\javaw.exe (1 Oct 2025, 9:56:02 pm – 9:56:16 pm elapsed: 0:00:13.426)
                                  Oct 01, 2025 9:56:06 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 140, returning the closest version; found: 139;
                                  Page Title: Eudaimonic Echoes
```

**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.