How to run Selenium Java App using Maven in STS

1. pom.xml need following dependencies

```
15⊖    <dependencies>
16⊖        <dependency>
17             <groupId>org.seleniumhq.selenium</groupId>
18             <artifactId>selenium-java</artifactId>
19             <version>4.27.0</version>
20         </dependency>
21         <!-- WebDriverManager -->
22⊖        <dependency>
23             <groupId>io.github.bonigarcia</groupId>
24             <artifactId>webdrivermanager</artifactId>
25             <version>5.5.3</version>
26         </dependency>
27     </dependencies>
```
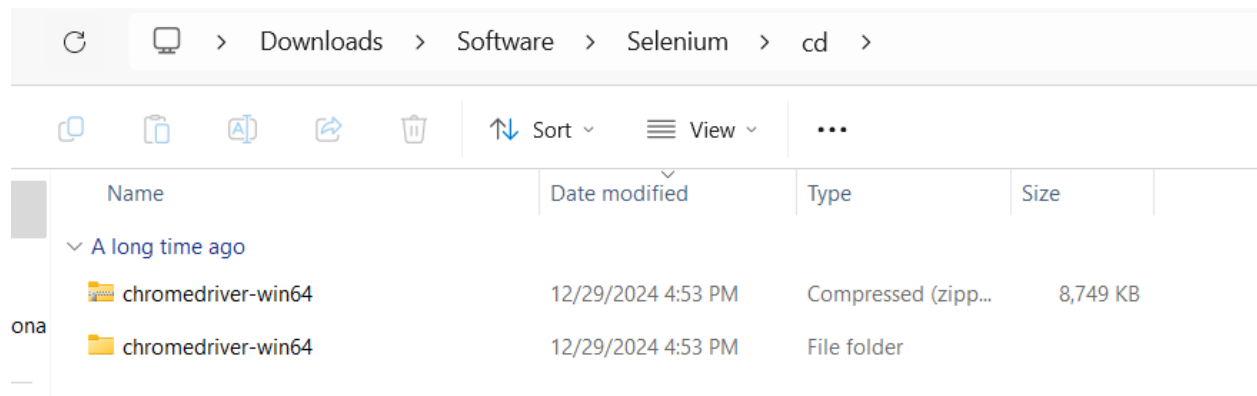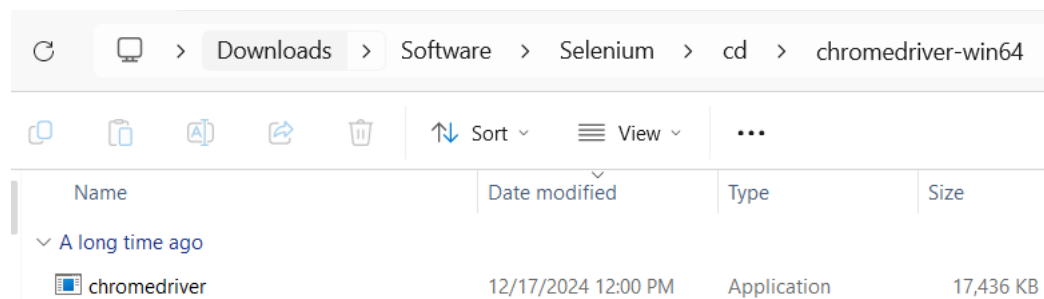
2. we have to download chrome webdriver
   https://googlechromelabs.github.io/chrome-for-testing/#stable

   Once download https://storage.googleapis.com/chrome-for-testing-public/133.0.6943.53/win64/chromedriver-win64.zip
   Once done we can extract and save that file in some safe location in our C drive.



   You will see the file as shown below.
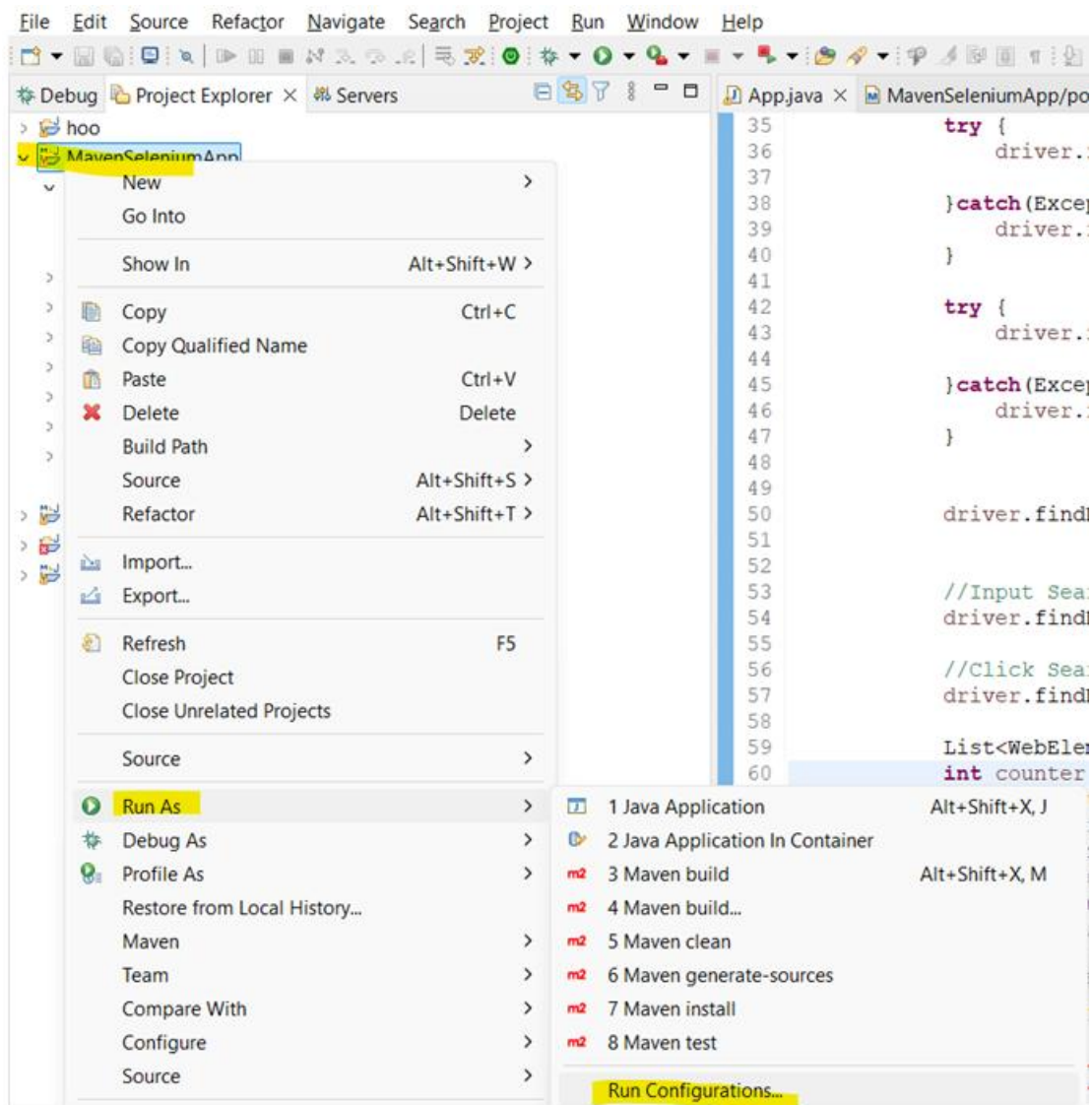
```
App.java ×   MavenSeleniumApp/pom.xml
 1 package com.tyataacademy.java.gmail.SampleGmailApp;
 2
 3⊕import java.util.List;⬚
11
12⊕/**
13  * Hello world!
14  */
15 public class App {
16⊝     public static void main(String[] args) {
17         System.out.println("Hello World!");
18
19         System.setProperty("webdriver.chrome.driver", "C:\\Users\\mails\\Downloads\\Software\\Selenium\\chromedriver.exe");
20
21         //Define the web driver for walgreeens
22         ChromeOptions options = new ChromeOptions();
23         options.addArguments("--remote-allow-origins=*");
24         WebDriver driver = new ChromeDriver(options);
25
26
27         String dealUrl="";
28         String targetLabel="";
29         try {
30             driver.get("https://slickdeals.net/");
31             driver.manage().window().maximize();
32             driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
33             System.out.println("Window Handle: "+driver.getWindowHandle());
34
```
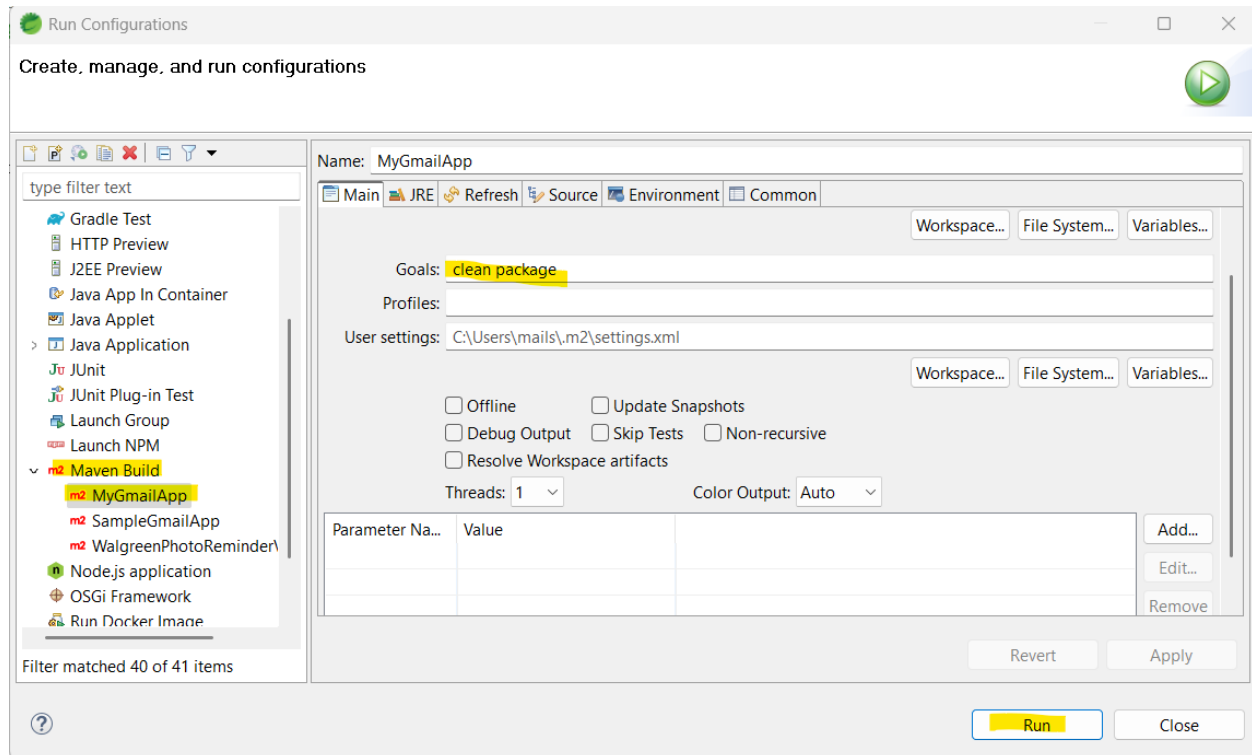
Above is the highlighted path for chromedriver.exe file from the selenium script.

One all the code is done we can build the project as below by going to Run configuration.

Create new Maven Build and fill as below and click Run.





```
[INFO] Tests run: 0, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.006 s --
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 0, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ MyGmailApp ---
[INFO] Building jar: C:\Users\mails\Documents\workspace-spring-tool-suite-4-4.17.2
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  3.697 s
[INFO] Finished at: 2025-02-12T00:06:22-06:00
[INFO] ------------------------------------------------------------------------
```

Once you see build success as above you can run the App.java file by Right clicking and run as Java Applications.