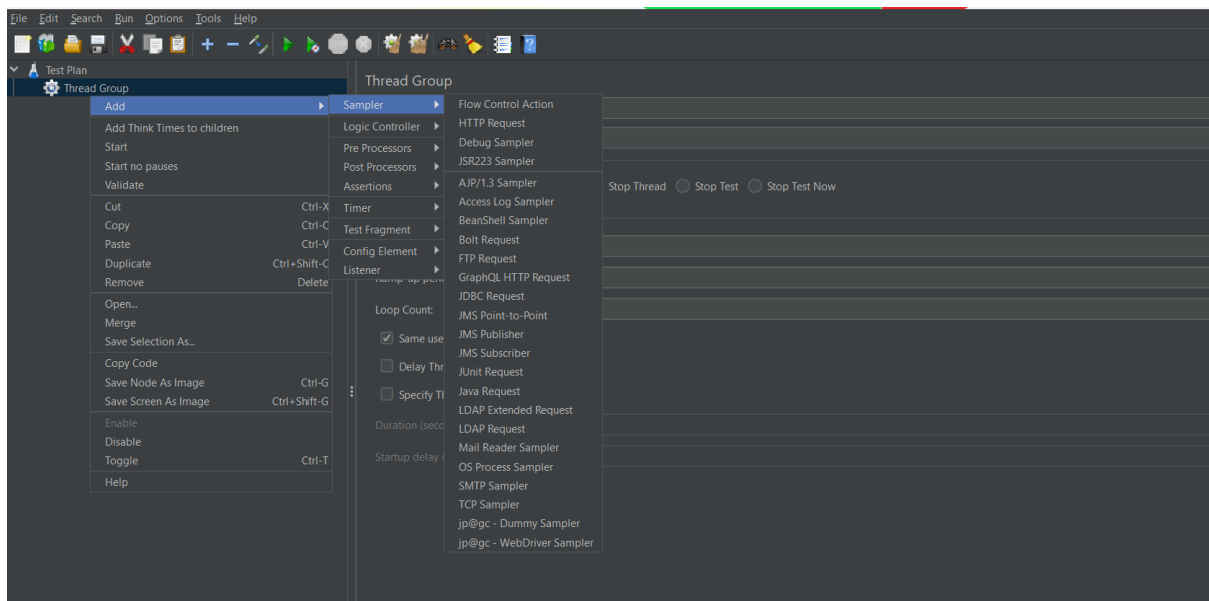


Samplers: SMTP Sampler

SMTP sampler will allow JMeter to send a request to a SMTP server, the server will then send an email to the destination and will also send response as success to JMeter.

Threadgroup → Add → Sampler → SMTP sampler



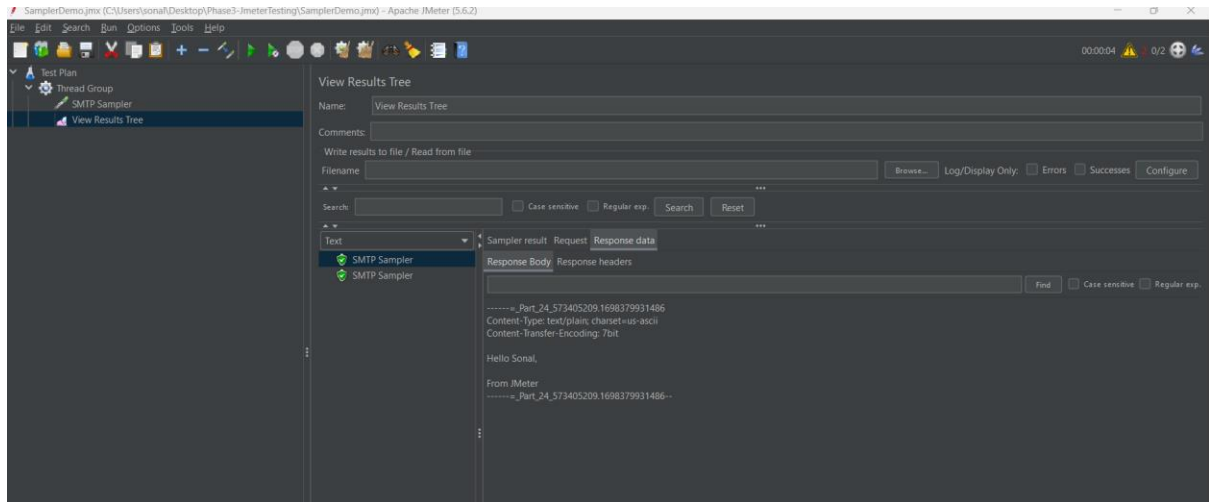
Execute the Sampler. The request will fail as username and password is incorrect.

That is alright. It is because gmail SMTP server is not allowing third party tools to use it and send emails.

You can submit assignment with failed requests.

However you can activate 2 step verification on your gmail account → and generate app password on Gmail account

Then give that app password in the SMTP sampler, then your request will be successful.



JDBC Sampler:

Download the JDBC connector jar file

Open the browser of the lab and open this URL

<https://dev.mysql.com/downloads/connector/j/>

In the drop down select platform independent

Select the second option : Platform Independent (Architecture Independent), ZIP

Click on download button

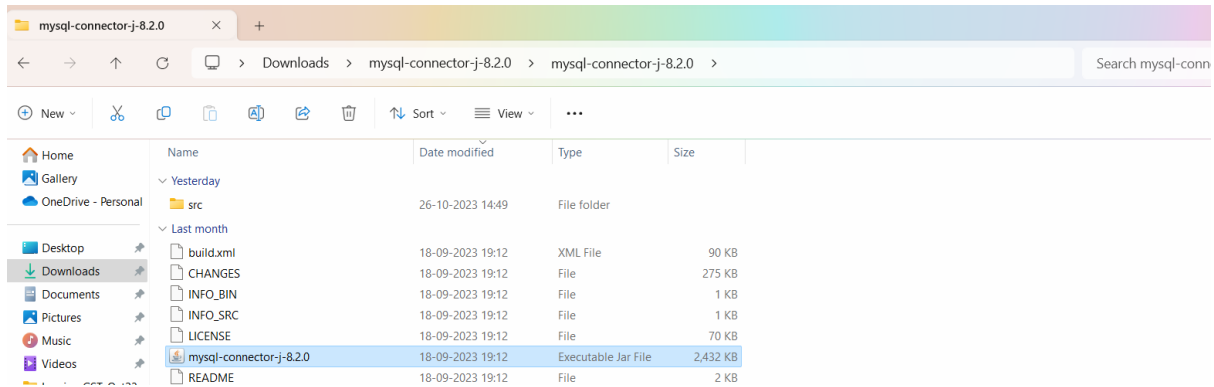
on next page click on => No thanks, just start my download.

Zip file will be downloaded.

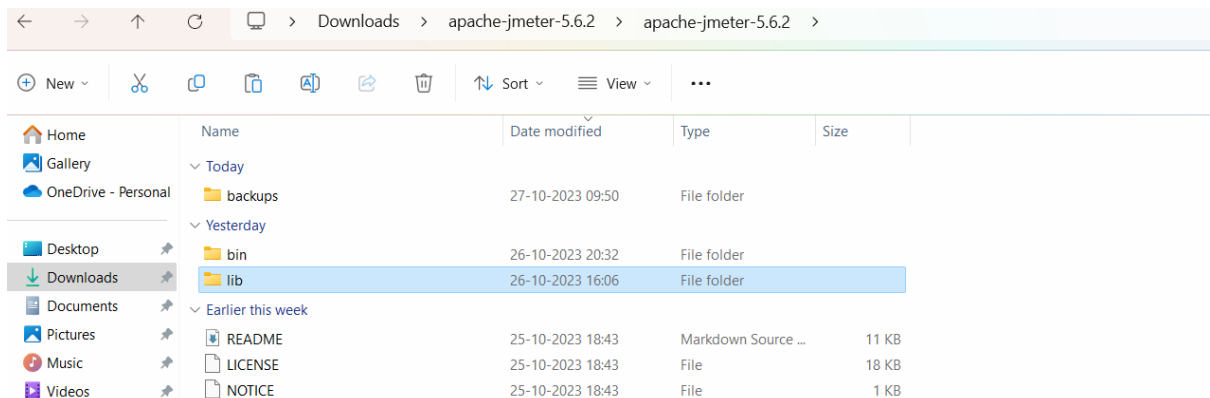
Now go to downloads folder of lab

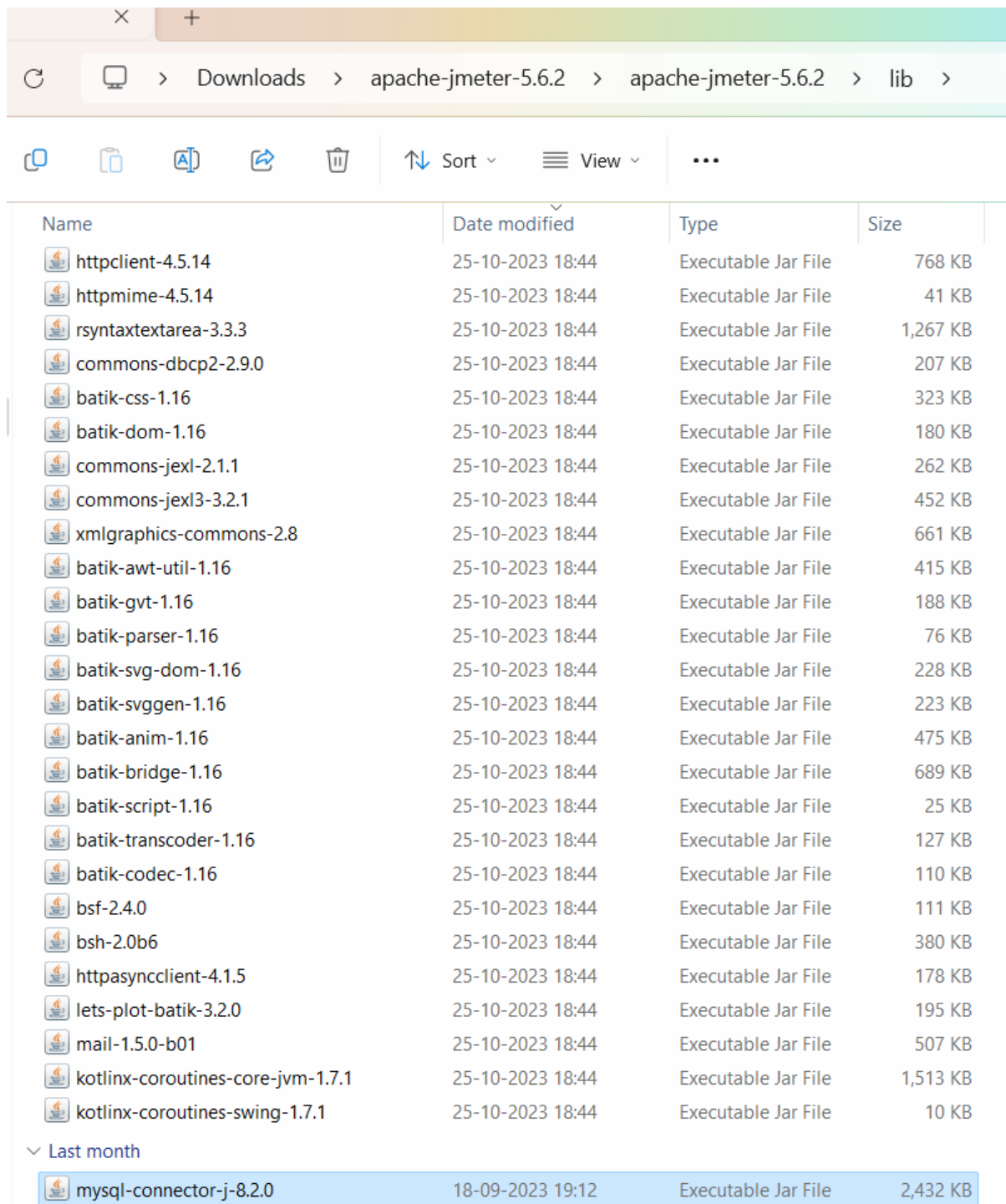
and right click on zip file and click on extract here




























In the folder there will be a JDBC connector.jar file



This Jar file has to be copied and pasted in your Jmeter folder → lib folder



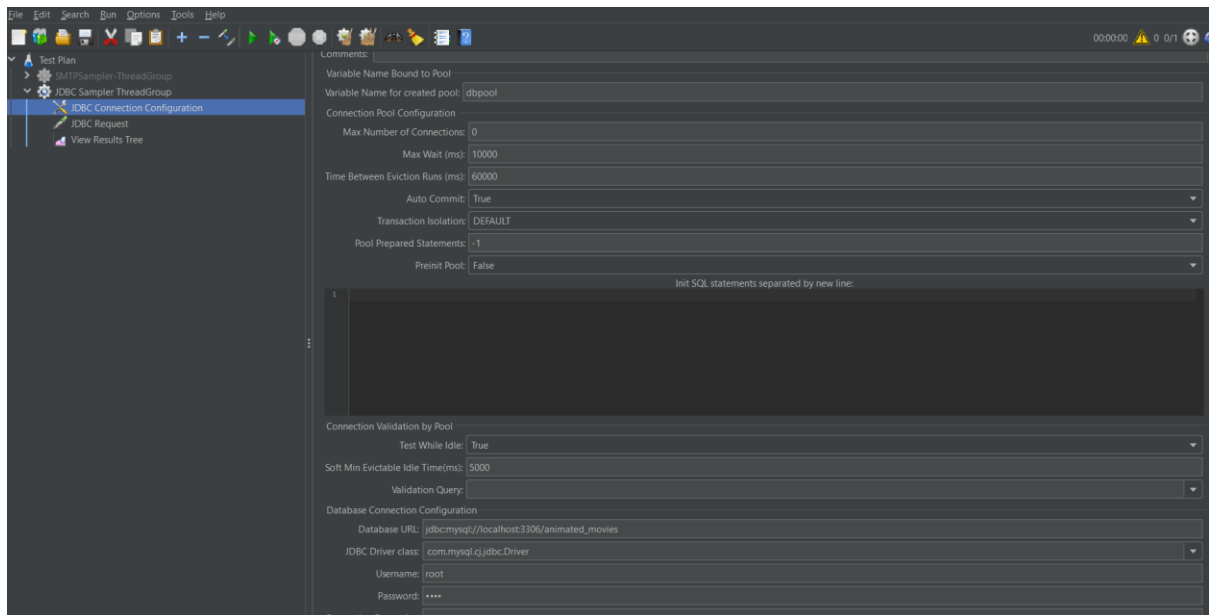


Name	Date modified	Type	Size
 httpclient-4.5.14	25-10-2023 18:44	Executable Jar File	768 KB
 httpmime-4.5.14	25-10-2023 18:44	Executable Jar File	41 KB
 rsyntaxtextarea-3.3.3	25-10-2023 18:44	Executable Jar File	1,267 KB
 commons-dbcp2-2.9.0	25-10-2023 18:44	Executable Jar File	207 KB
 batik-css-1.16	25-10-2023 18:44	Executable Jar File	323 KB
 batik-dom-1.16	25-10-2023 18:44	Executable Jar File	180 KB
 commons-jexl-2.1.1	25-10-2023 18:44	Executable Jar File	262 KB
 commons-jexl3-3.2.1	25-10-2023 18:44	Executable Jar File	452 KB
 xmlgraphics-commons-2.8	25-10-2023 18:44	Executable Jar File	661 KB
 batik-awt-util-1.16	25-10-2023 18:44	Executable Jar File	415 KB
 batik-gvt-1.16	25-10-2023 18:44	Executable Jar File	188 KB
 batik-parser-1.16	25-10-2023 18:44	Executable Jar File	76 KB
 batik-svg-dom-1.16	25-10-2023 18:44	Executable Jar File	228 KB
 batik-svggen-1.16	25-10-2023 18:44	Executable Jar File	223 KB
 batik-anim-1.16	25-10-2023 18:44	Executable Jar File	475 KB
 batik-bridge-1.16	25-10-2023 18:44	Executable Jar File	689 KB
 batik-script-1.16	25-10-2023 18:44	Executable Jar File	25 KB
 batik-transcoder-1.16	25-10-2023 18:44	Executable Jar File	127 KB
 batik-codec-1.16	25-10-2023 18:44	Executable Jar File	110 KB
 bsf-2.4.0	25-10-2023 18:44	Executable Jar File	111 KB
 bsh-2.0b6	25-10-2023 18:44	Executable Jar File	380 KB
 httpasyncclient-4.1.5	25-10-2023 18:44	Executable Jar File	178 KB
 lets-plot-batik-3.2.0	25-10-2023 18:44	Executable Jar File	195 KB
 mail-1.5.0-b01	25-10-2023 18:44	Executable Jar File	507 KB
 kotlinox-coroutines-core-jvm-1.7.1	25-10-2023 18:44	Executable Jar File	1,513 KB
 kotlinox-coroutines-swing-1.7.1	25-10-2023 18:44	Executable Jar File	10 KB
Last month			
 mysql-connector-j-8.2.0	18-09-2023 19:12	Executable Jar File	2,432 KB

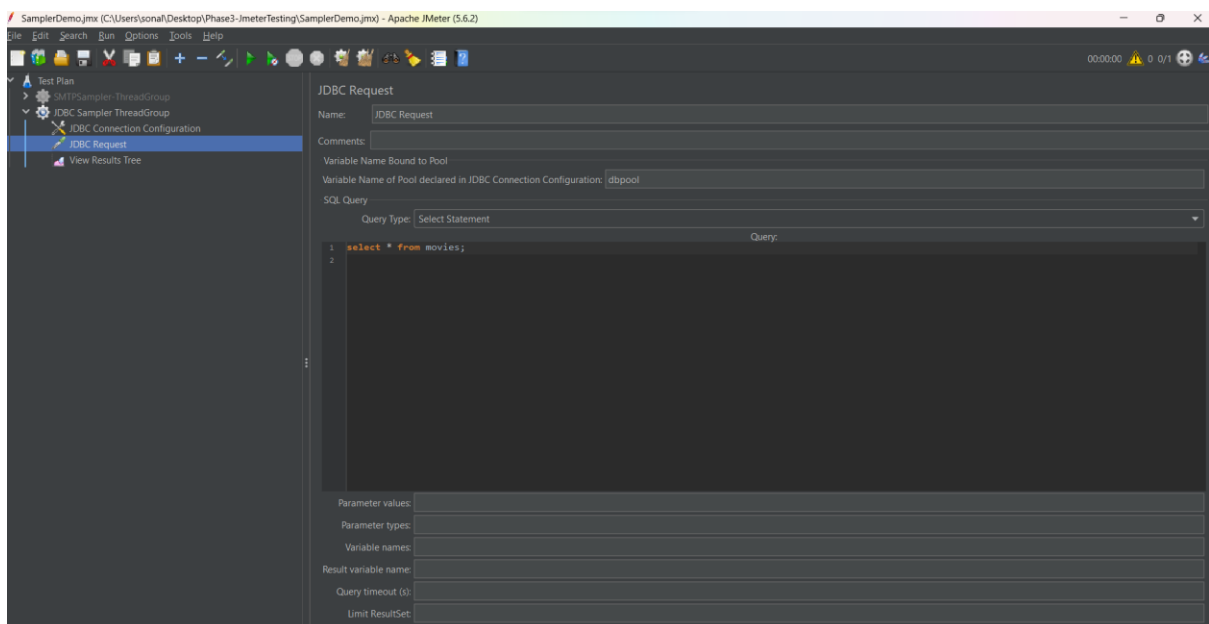
After copying the jar file in LIB folder → restart your apache Jmeter (close it and start it again).

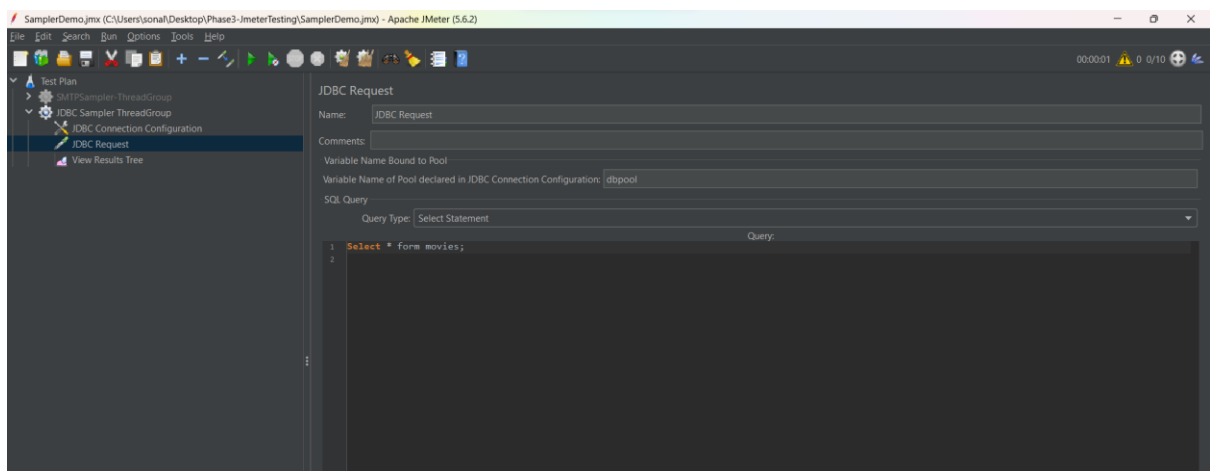
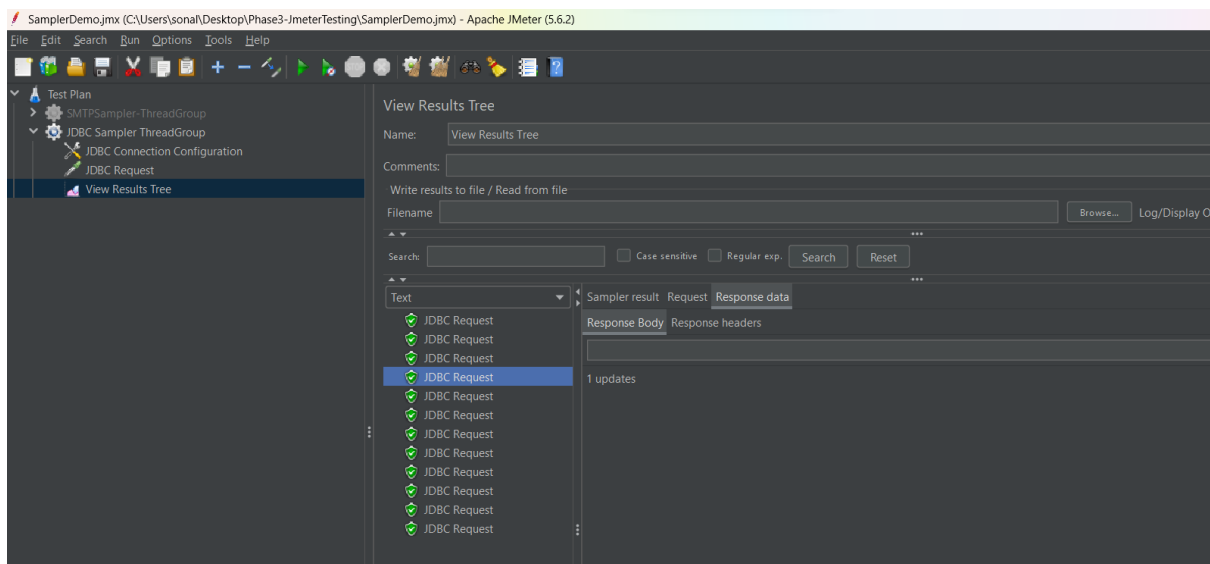
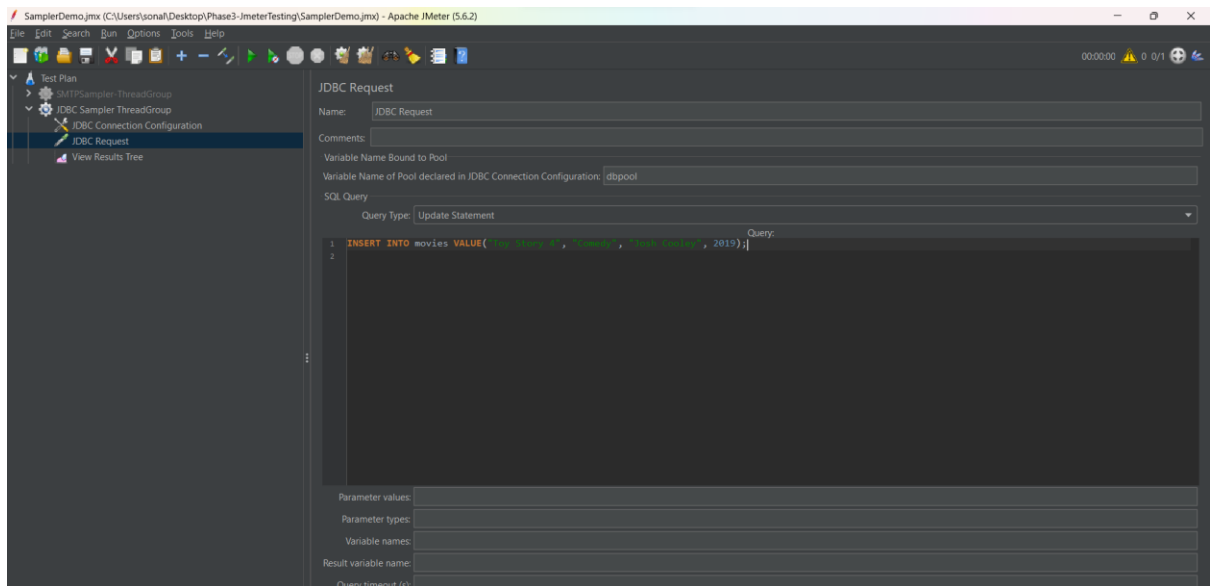
In JMeter → create a Thread group → Add → Config Element → JDBC connection Configuration

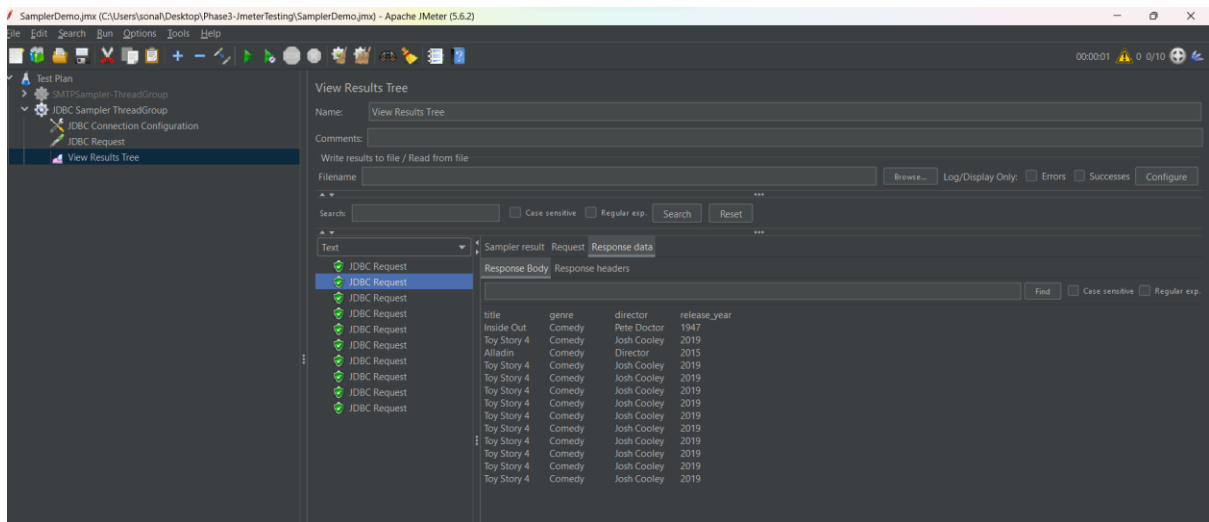
Add the variable pool name and add DB connection details.



Thread group → Add the JDBC request → Add the variable name as given in JDBC configuration → Add the query to be executed.



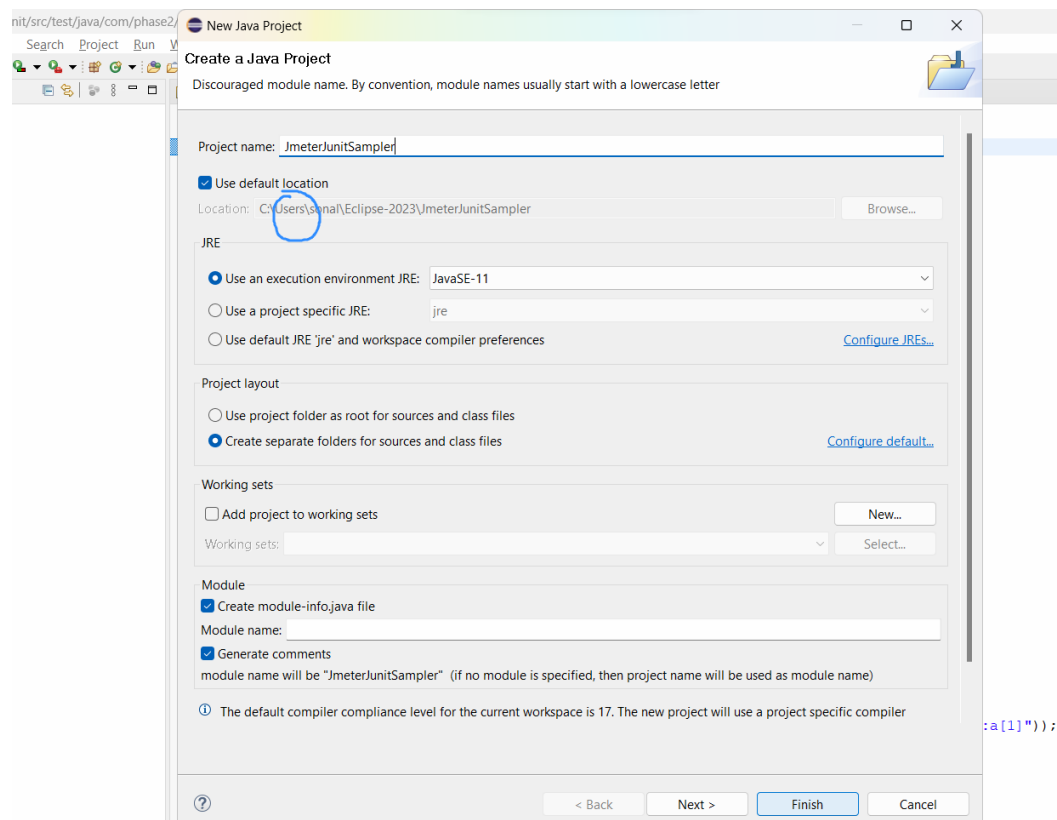


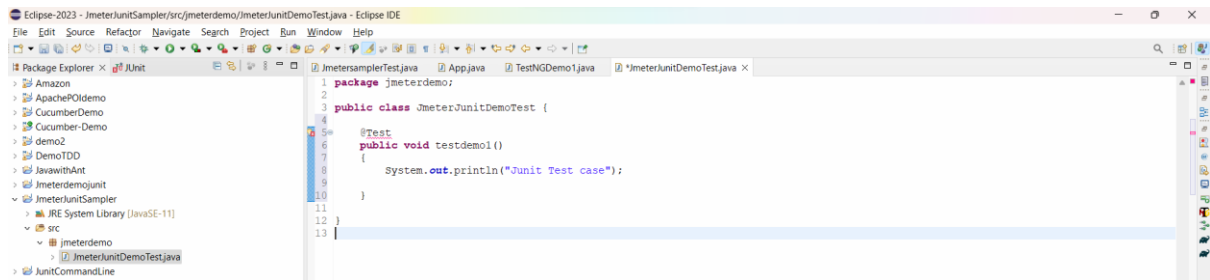


JUNIT Sampler

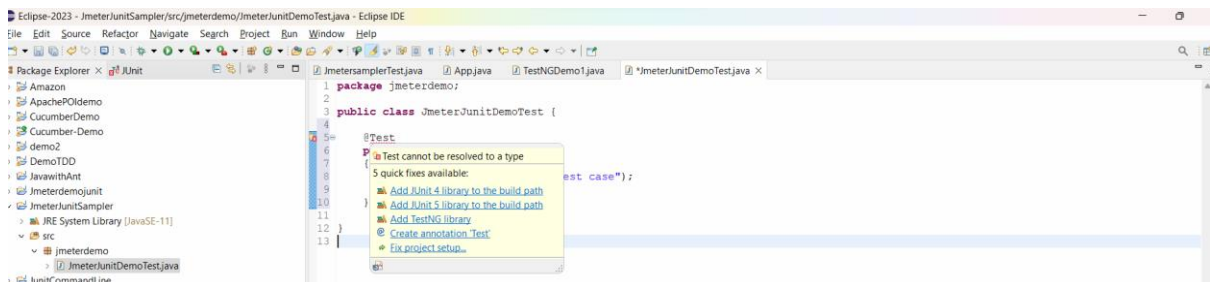
Create a Java package in eclipse → create a Junit class and add Junit test annotation → create a junit method.

Add Junit 4 library in the java project.





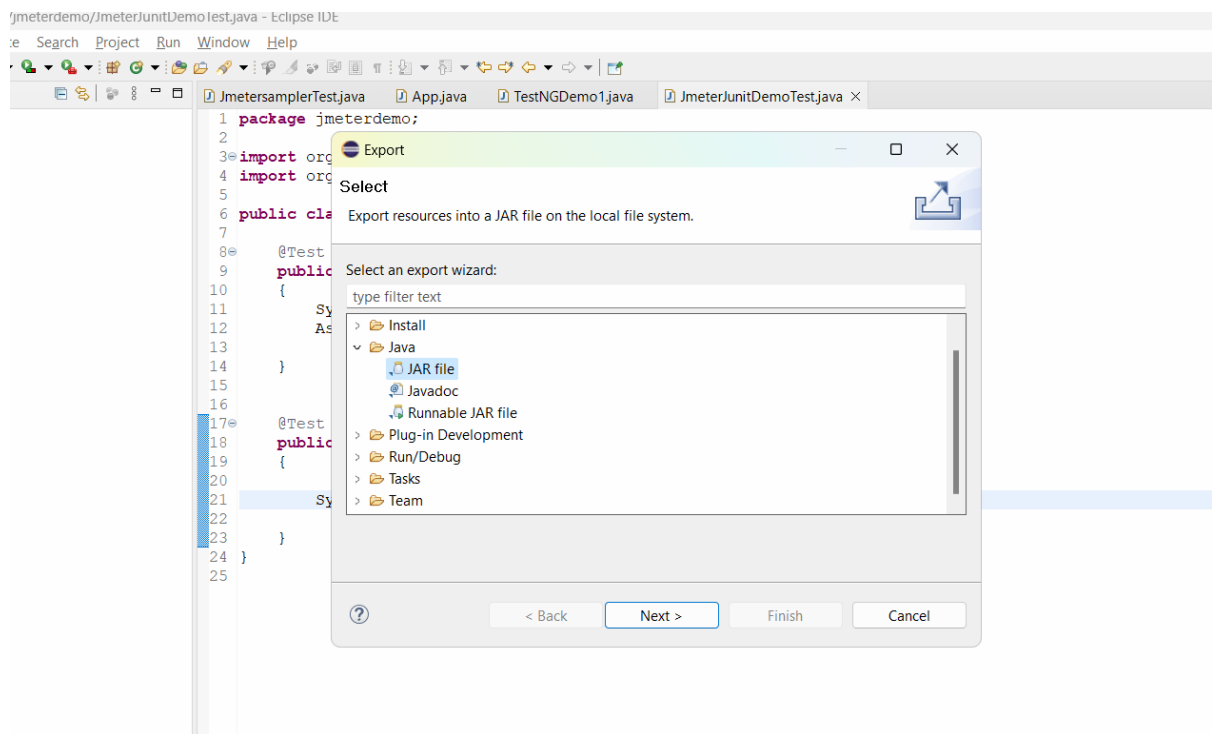
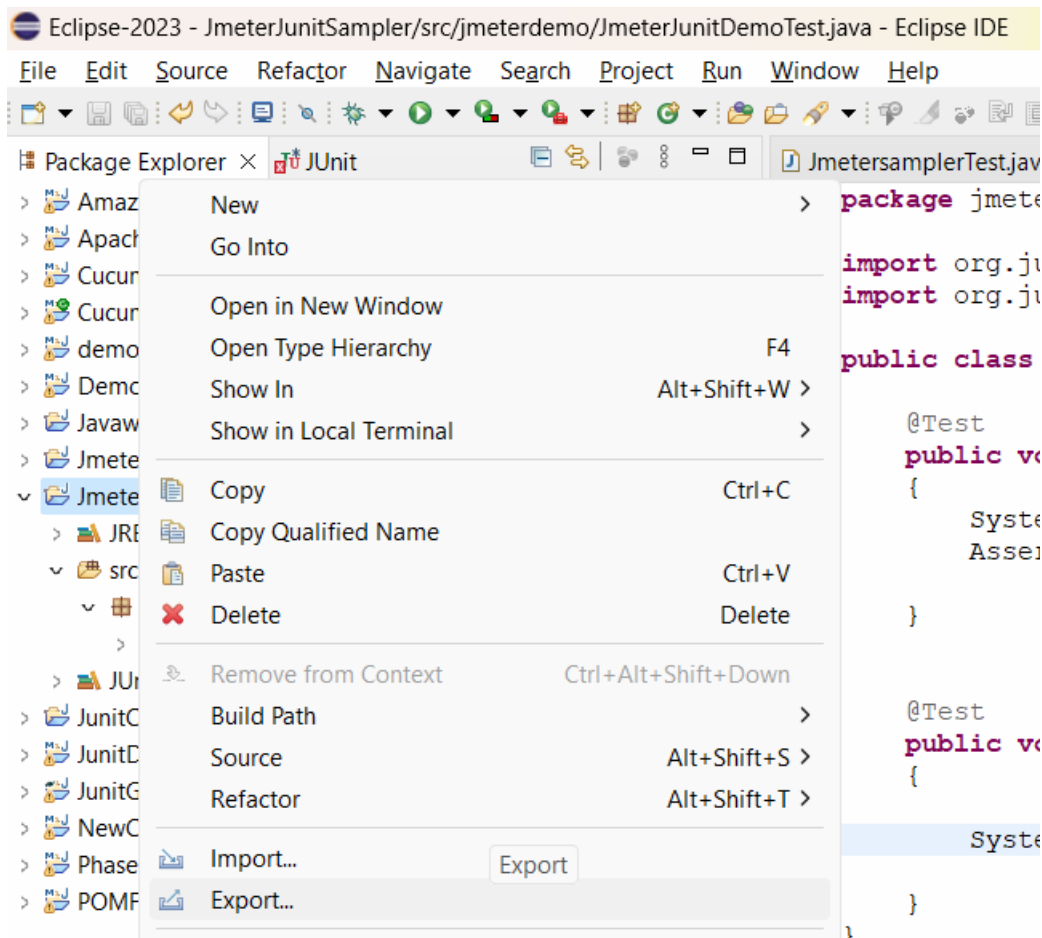
Select Junit 4 library



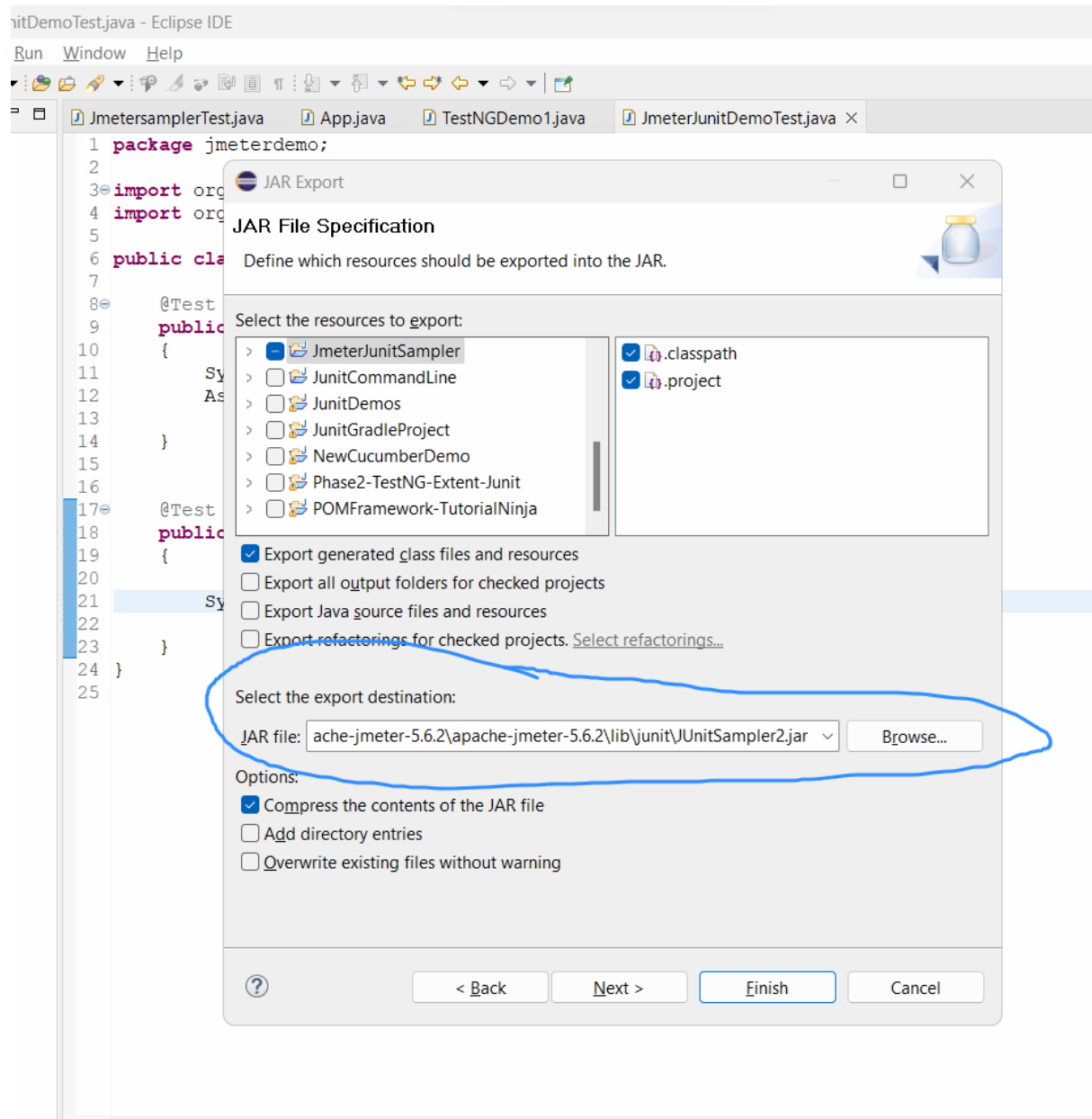
- JUnit
 - JmeterUnitSampler
 - JRE System Library [JavaSE-11]
 - src
 - jmeterdemo
 - JmeterUnitDemoTest.java
 - JUnit 4

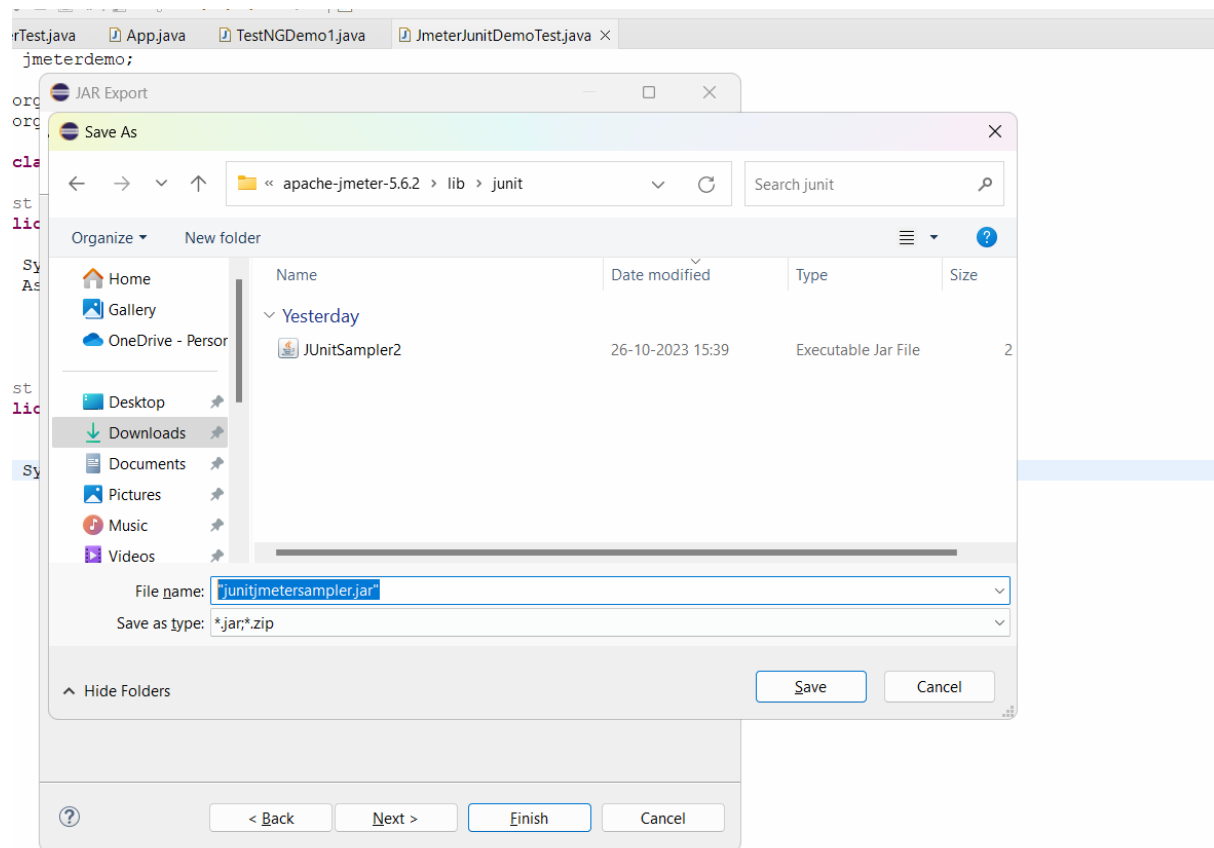
Next we have to export this Project of junit into a Jar file, so that jmeter can execute it.

Right click on project → select export → select Jar



Press next and select the export destination → Click on browse→ the path with jmeter/lib/junit folder -> C:\Users\sonal\Downloads\apache-jmeter-5.6.2\apache-jmeter-5.6.2\lib\junit

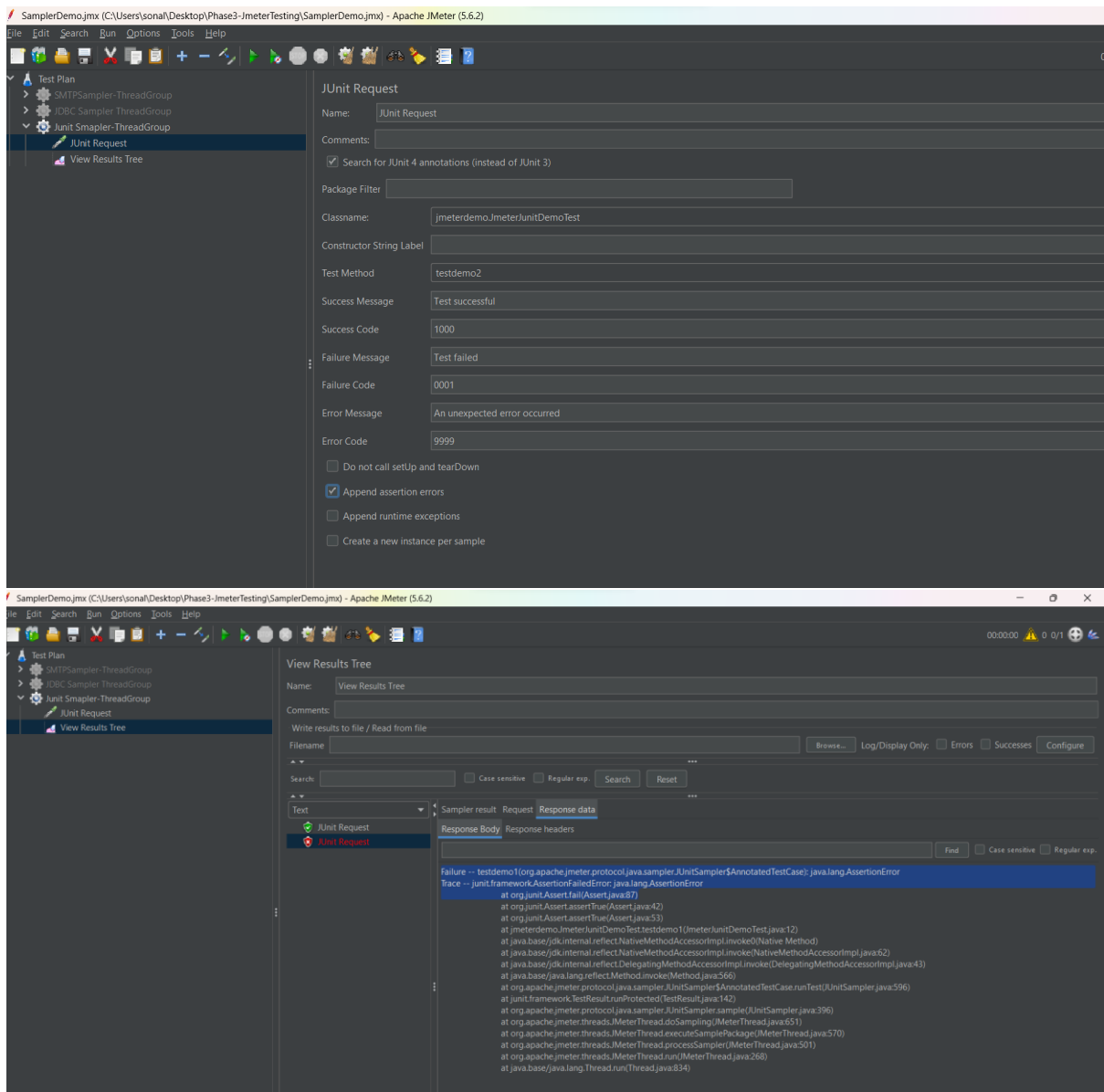




Click on save and finish button.

Close and restart jmeter.

ThreadGroup→ add→ junit request sampler→ in the smapler select below details



Selenium Sampler

We have to download plugin manager jar file for jmeter and add plugin manager to jmeter.

Installation and Usage

Download the Plugins Manager [JAR file](#) and put it into JMeter's `lib/ext` directory

<https://jmeter-plugins.org/wiki/PluginsManager/>

Documentation :: JMeter-Plugins x +

→ jmeter-plugins.org/wiki/PluginsManager/

Every user does not need some very features.

[Install](#) [Browse Plugins](#) [Documentation](#) [Usage Statistics](#) [Support Forums](#) [JMX](#)

JMeter Plugins Manager

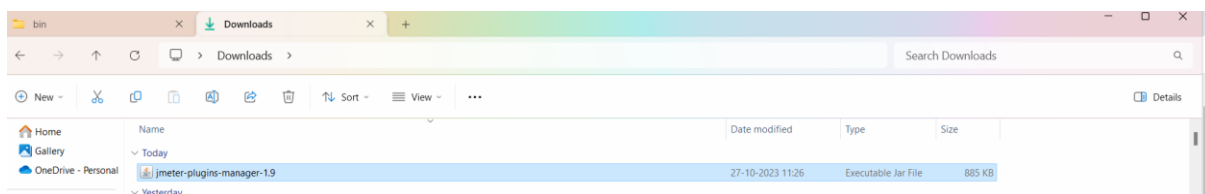
The idea of JMeter Plugins Manager is simple: instead of installing various plugins manually, it will do it for you through nice UI. No need to mess with JARs anymore. Install Plugins Manager once and it will do it all for you: installing, upgrading, uninstalling.

The plugins it manages include usual plugins from JMeter-Plugins.org, various third-party plugins and even core JMeter plugins. This is important, because removing rarely used features like JDBC and LDAP will tidy up huge popup menus from unused items. As a bonus you will get the increased JMeter startup time.

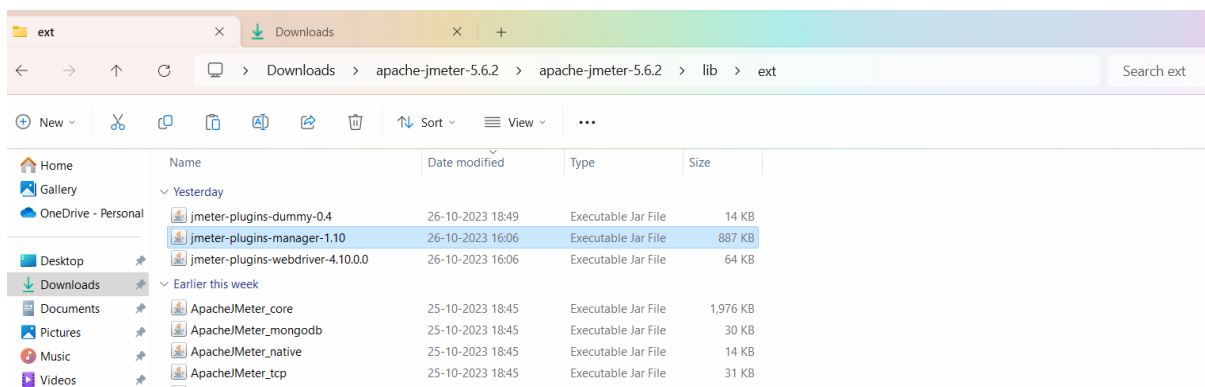
You can observe the catalogue of plugins [here](#). As the first experiment, try to uninstall all the plugins and see how bare JMeter looks like. Then install something. Then install something more. Have fun!

Installation and Usage

Download the Plugins Manager **JAR file** and put it into JMeter's `lib/ext` directory. Then start JMeter and go to "Options" menu to access the Plugins Manager.

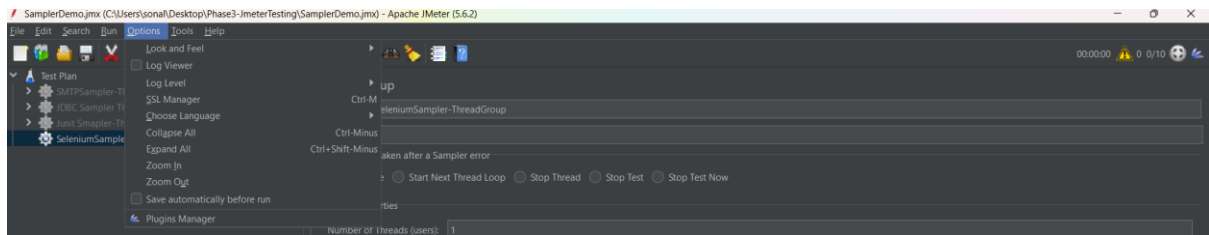


Copy this in jmeter folder → lib->ext folder

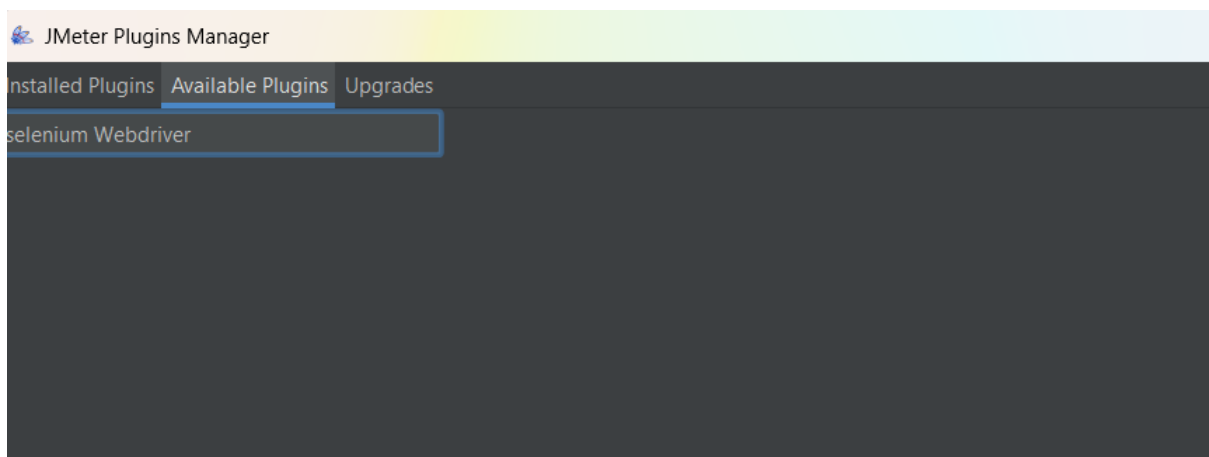


Stop and restart jmeter

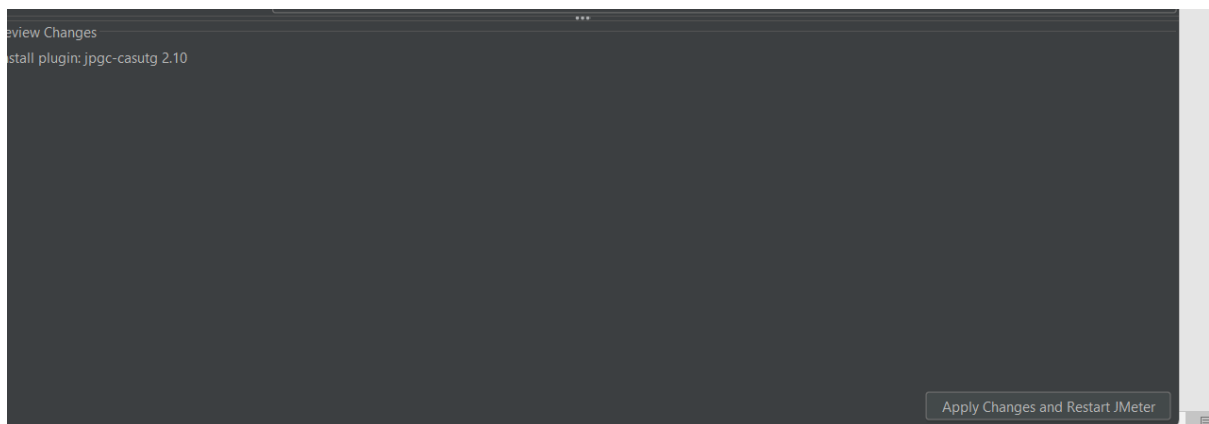
In Jmeter → go to Options -> you will see the Plugin Manager



Click on plugin manager → go to available plugins → search for selenium webdriver support plugin

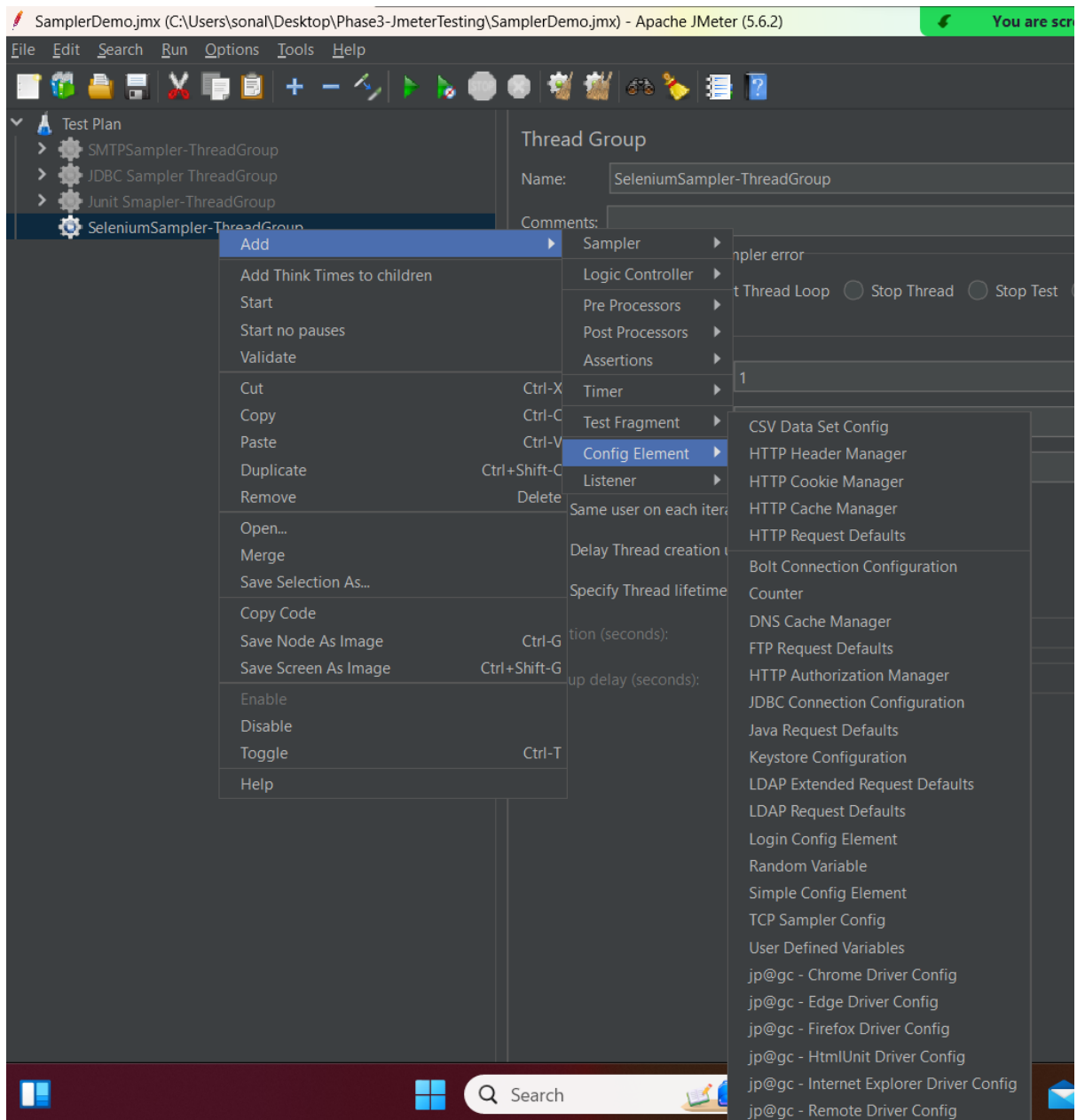


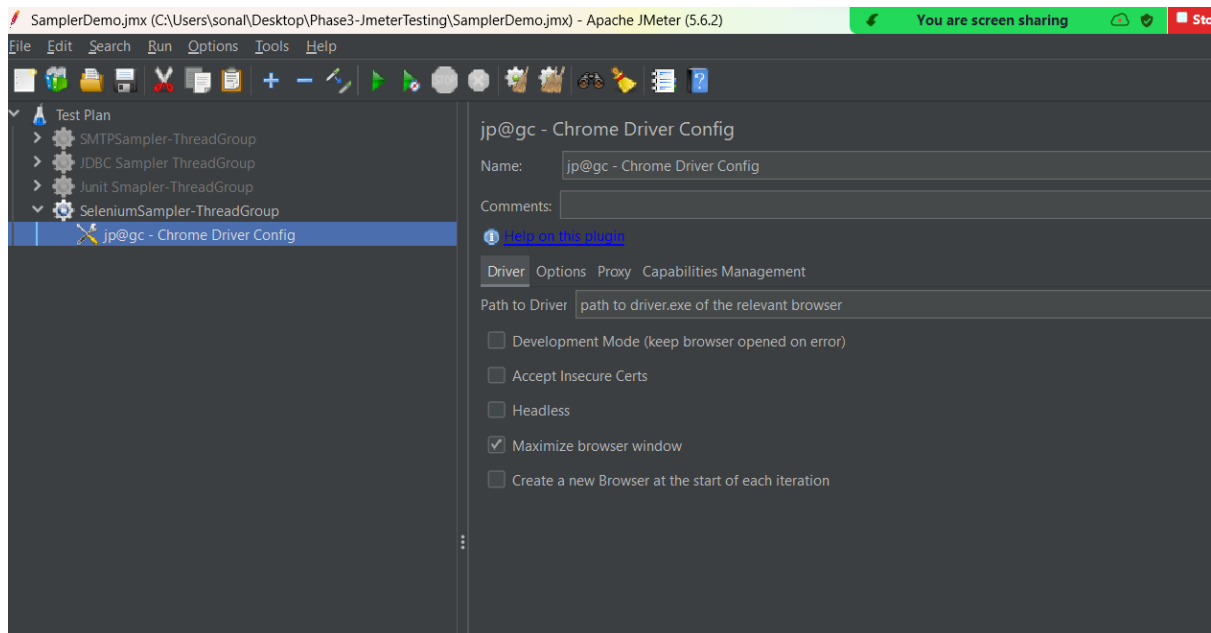
Click on Apply changes and restart jmeter



After this we can now add selenium configuration in jmeter

1. Add the threadGroup → add the config element → select the element jp@gc chromeDriver Config





For Jmeter to create a session with your chrome browser, we have to download chromedriver.exe

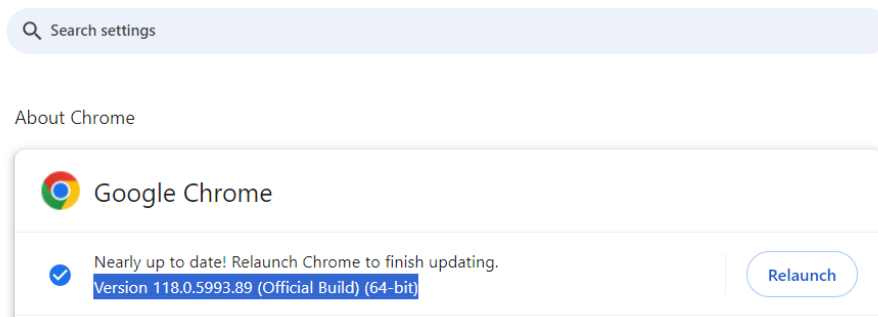
This has to be downloaded from selenium downloads website.

We have to give path of chromedriver.exe in ChromeDriver config

To download the chromedriver.exe use the below url:

<https://googlechromelabs.github.io/chrome-for-testing/>

Download that version of chromedriver which is same as that of your chrome browser version

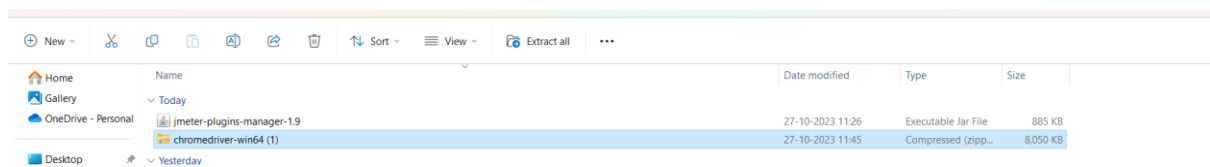


Chrome version in 118, download chromedriver.exe for 118 version only.

ersion: 118.0.5993.70 (r1192594)

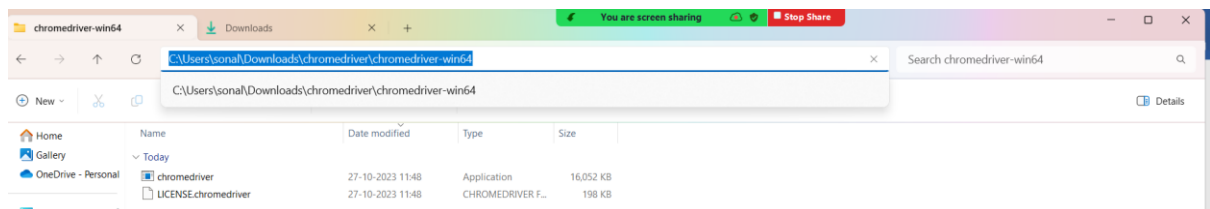
Binary	Platform	URL	HTTP status
chrome	linux64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/linux64/chrome-linux64.zip	200
chrome	mac-arm64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/mac-arm64/chrome-mac-arm64.zip	200
chrome	mac-x64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/mac-x64/chrome-mac-x64.zip	200
chrome	win32	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/win32/chrome-win32.zip	200
chrome	win64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/win64/chrome-win64.zip	200
chromedriver	linux64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/linux64/chromedriver-linux64.zip	200
chromedriver	mac-arm64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/mac-arm64/chromedriver-mac-arm64.zip	200
chromedriver	mac-x64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/mac-x64/chromedriver-mac-x64.zip	200
chromedriver	win32	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/win32/chromedriver-win32.zip	200
chromedriver	win64	https://edgedl.me.gvt1.com/edgedl/chrome/chrome-for-testing/118.0.5993.70/win64/chromedriver-win64.zip	200

Click on chromedriver win64 link.. it will download the driver zip



Extract the contents for the zip file.

Rename the zip folder if needed. No space should be there in the folder name



Copy the path of chromedriver folder and give it in Jmeter. Pls add the file name also at the end as chromedriver.exe

Now in the thread group add the webdriver sampler

