

JMeter

To work with Jmeter Required JDK to set Up.

<https://www.oracle.com/in/java/technologies/downloads/#jdk21-windows>

once JDK is installed check with Java Version

```
C:\Users\NEW>java -version
java version "17.0.8" 2023-07-18 LTS
Java(TM) SE Runtime Environment (build 17.0.8+9-LTS-211)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.8+9-LTS-211, mixed mode, sharing)
```

In case if you are getting error like JAVA is not recognized as an internal or external command.

go to C:/ Program Files/ JAVA / JDK24 / bin folder

copy path

go to Your System Setting --> Advanced System Setting --> Environment Variable --> Path --
> new

paste path there and check again.

After This Let's Download Apache JMeter: https://jmeter.apache.org/download_jmeter.cgi

From Binaries Either download Tar or Zip file

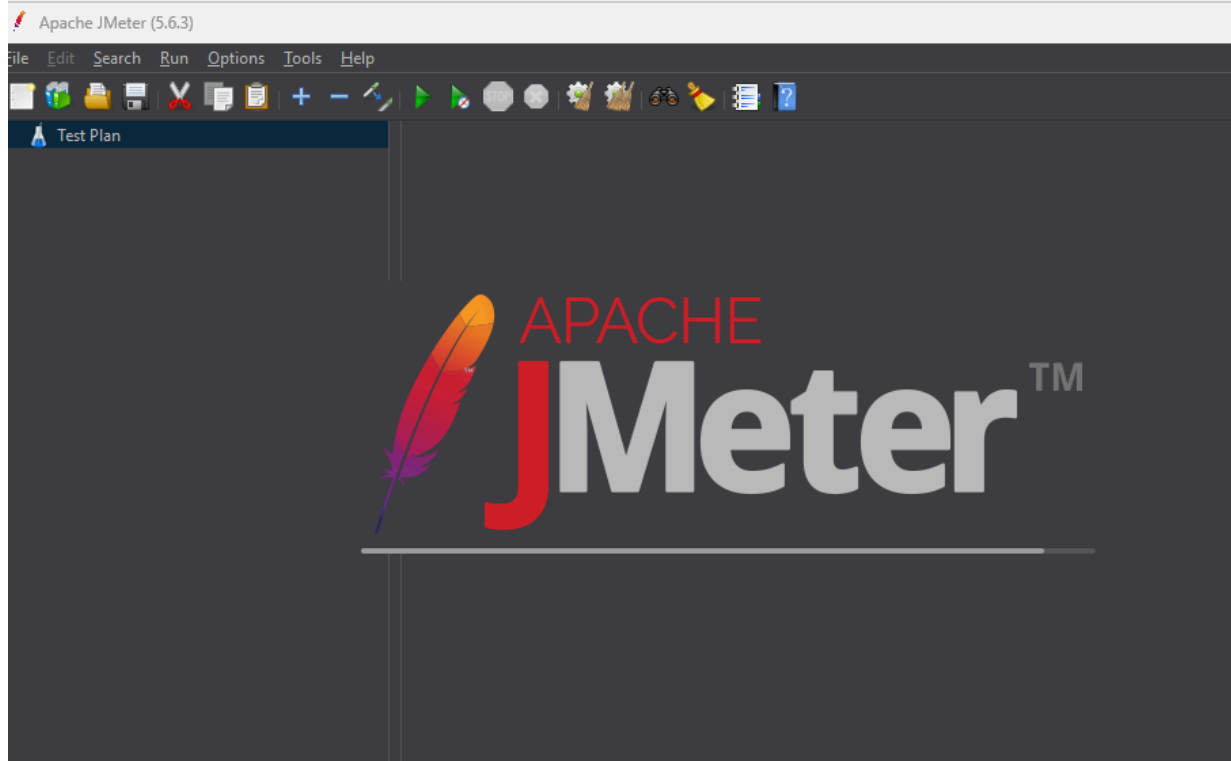
Extract folder and keep at some place from where you can access easily.

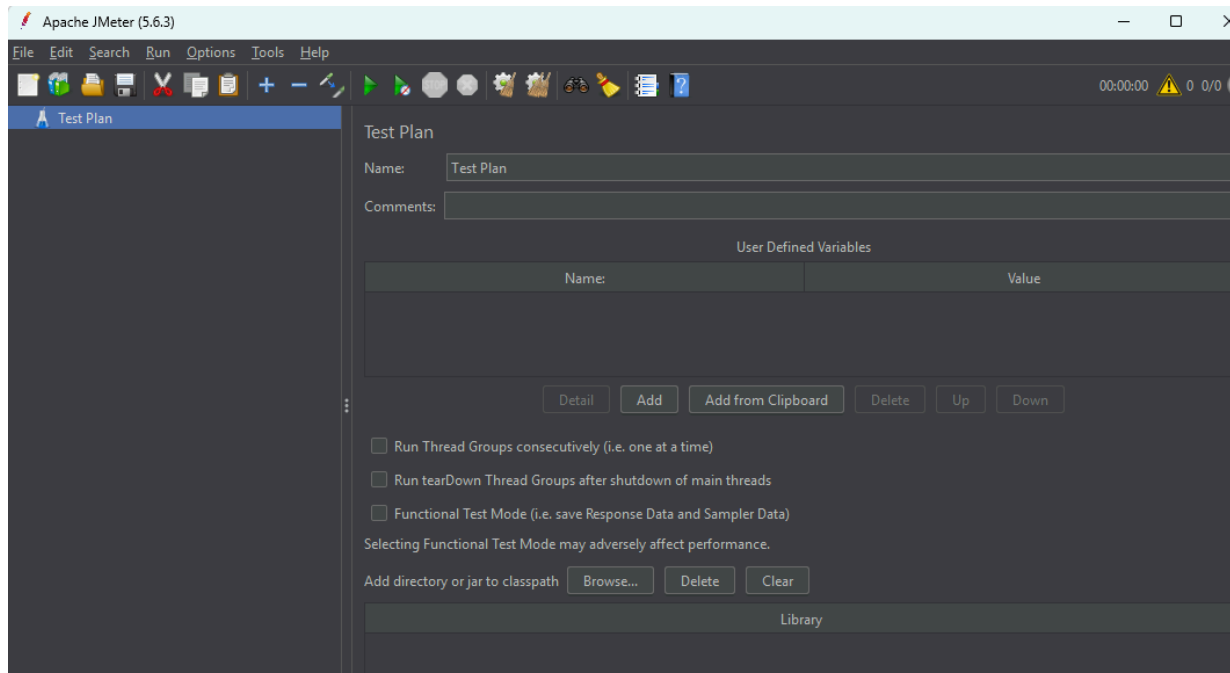
I added that in C drive.

Open the bin folder of Apache JMeter in CMD

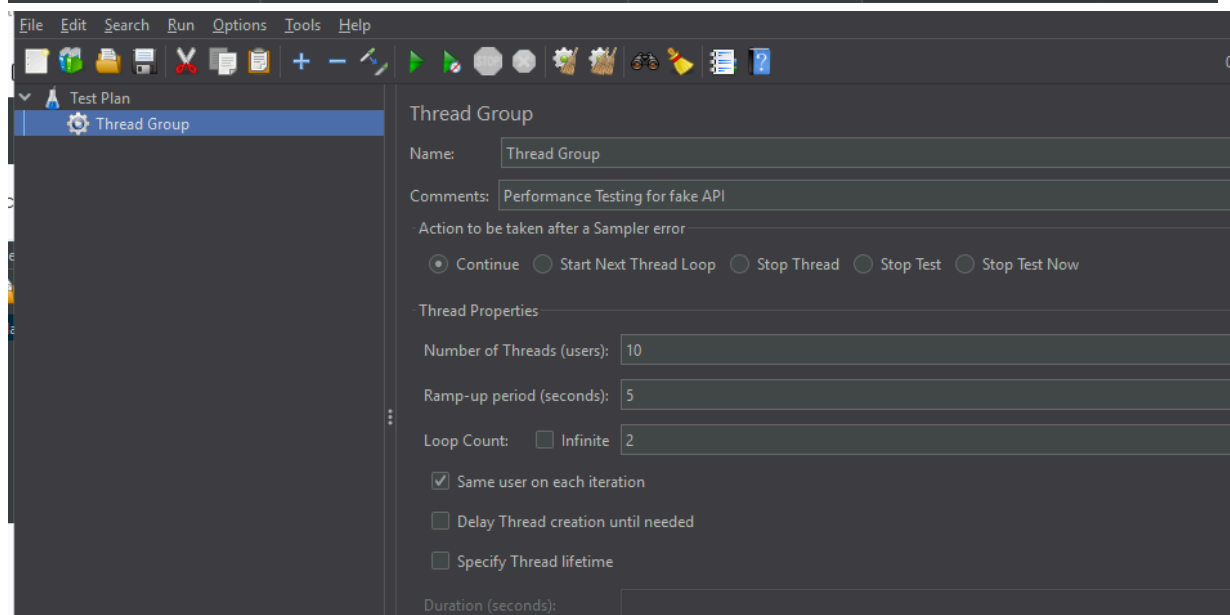
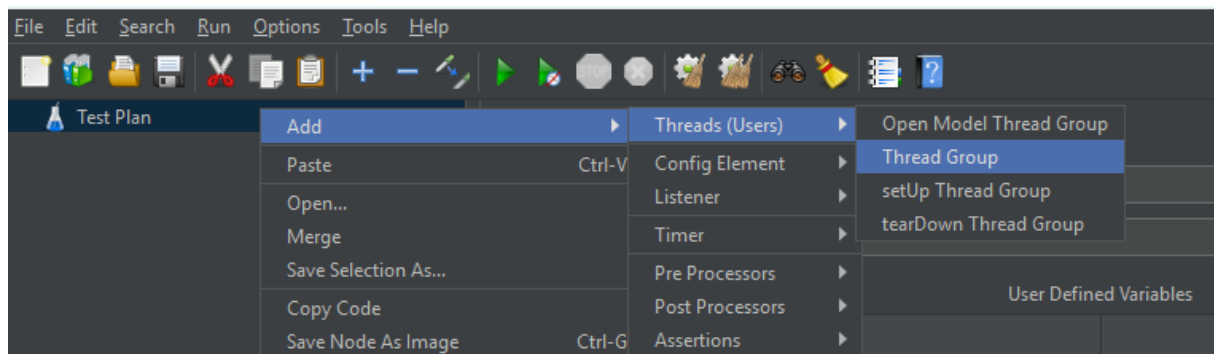
for windows: run jmeter.bat and for linux/mac run [jmeter.sh](#) file

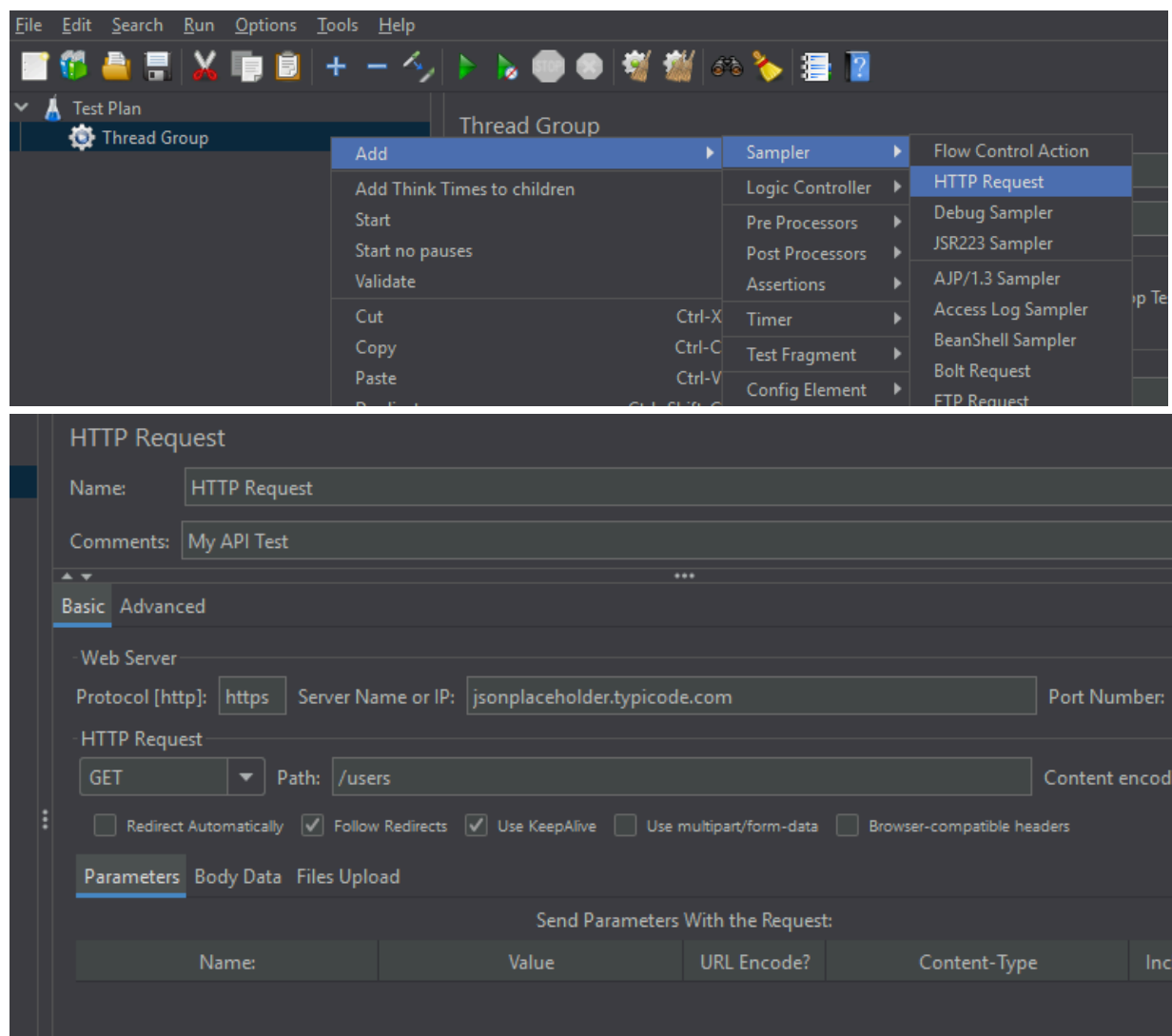
```
C:\apache-jmeter-5.6.3\bin>jmeter.bat
WARN StatusConsoleListener The use of package scanning to locate plugins is depre
will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is depre
will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is depre
will be removed in a future release
WARN StatusConsoleListener The use of package scanning to locate plugins is depre
will be removed in a future release
=====
Don't use GUI mode for load testing !, only for Test creation and Test debugging.
For load testing, use CLI Mode (was NON GUI):
    jmeter -n -t [jmx file] -l [results file] -e -o [Path to web report folder]
& increase Java Heap to meet your test requirements:
    Modify current env variable HEAP="-Xms1g -Xmx1g -XX:MaxMetaspaceSize=256m" in
r batch file
Check : https://jmeter.apache.org/usermanual/best-practices.html
=====
```



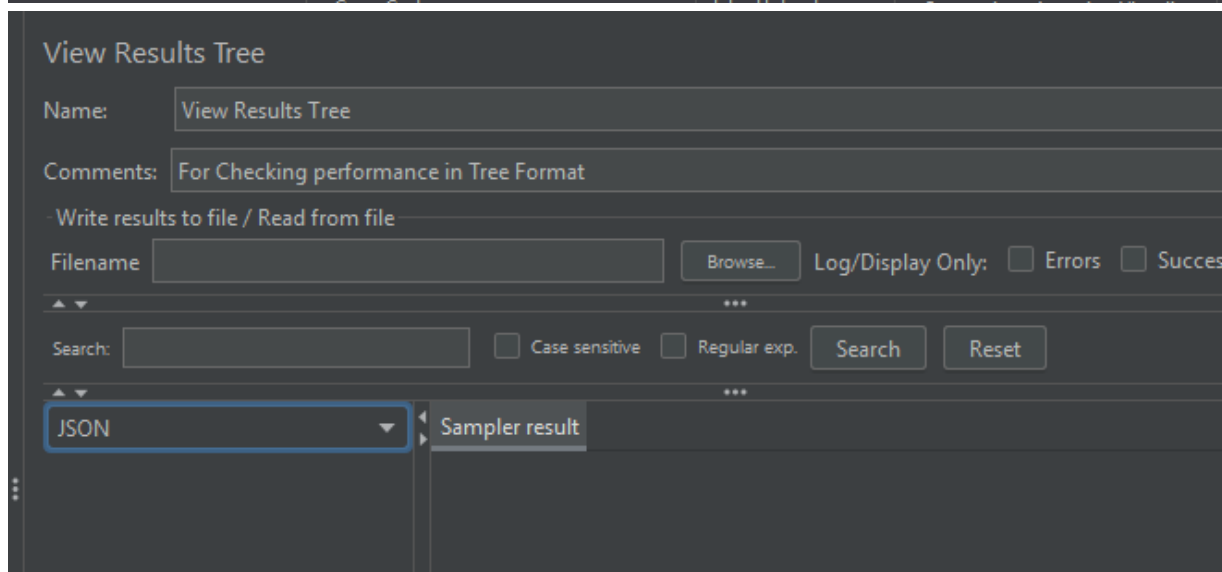
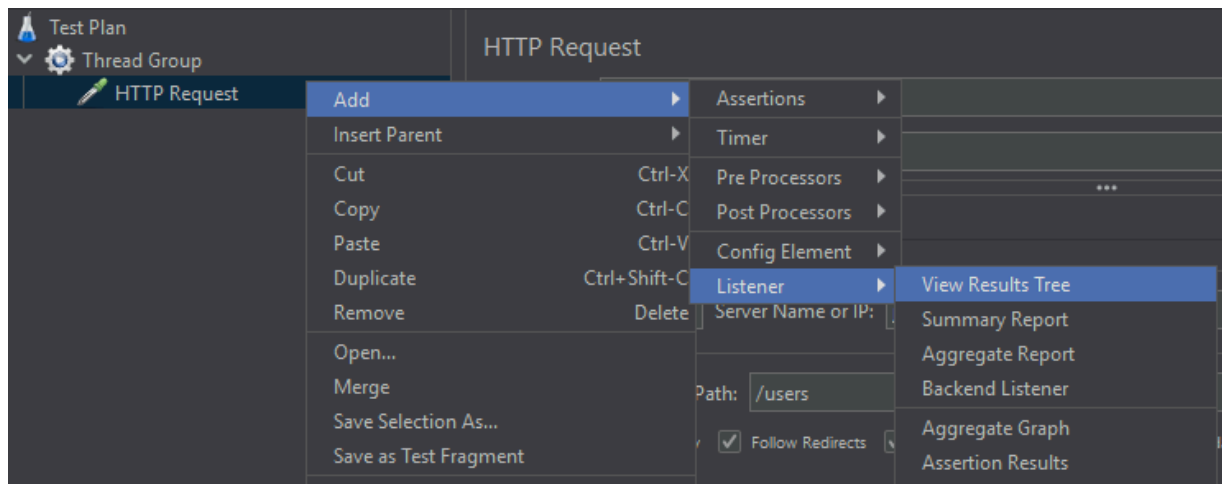


Performance Testing

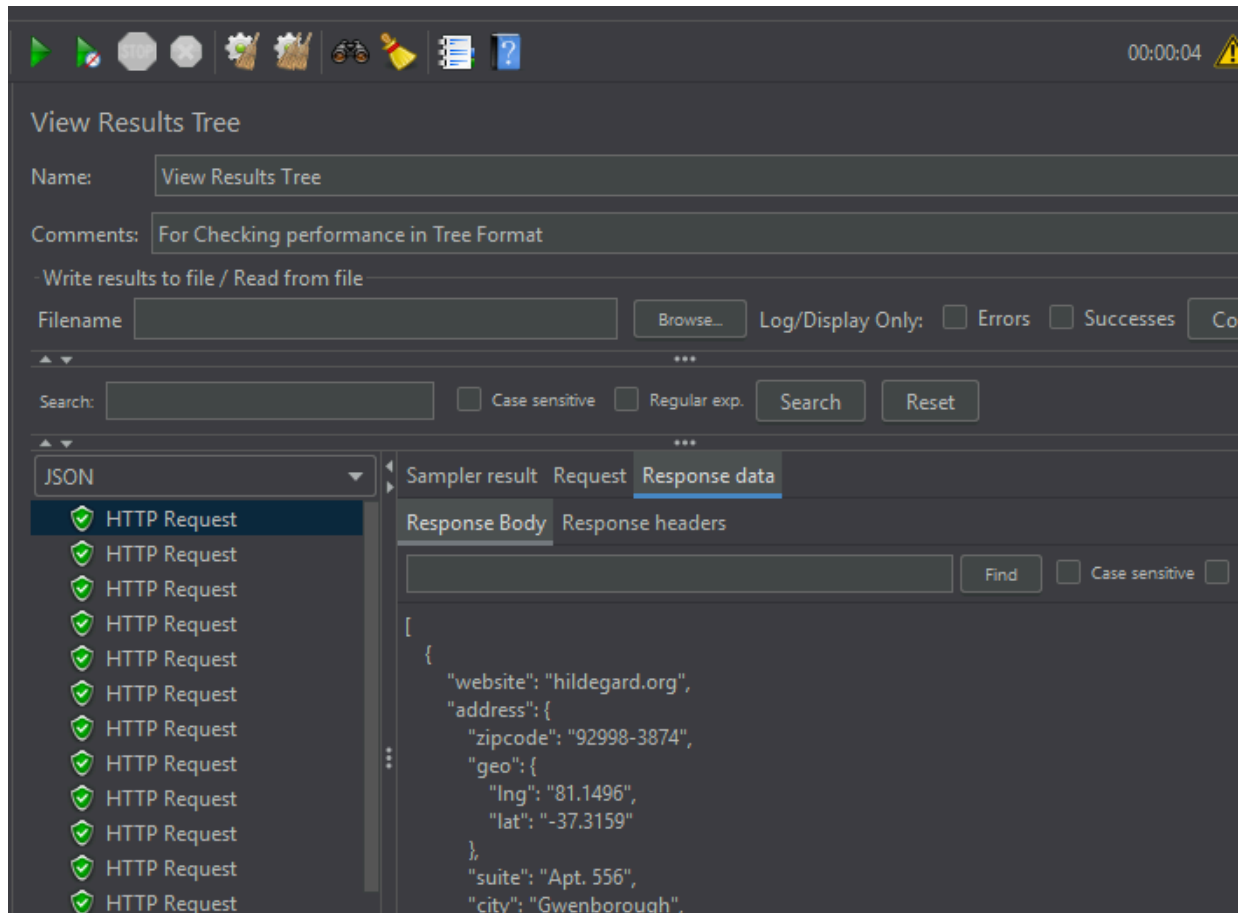




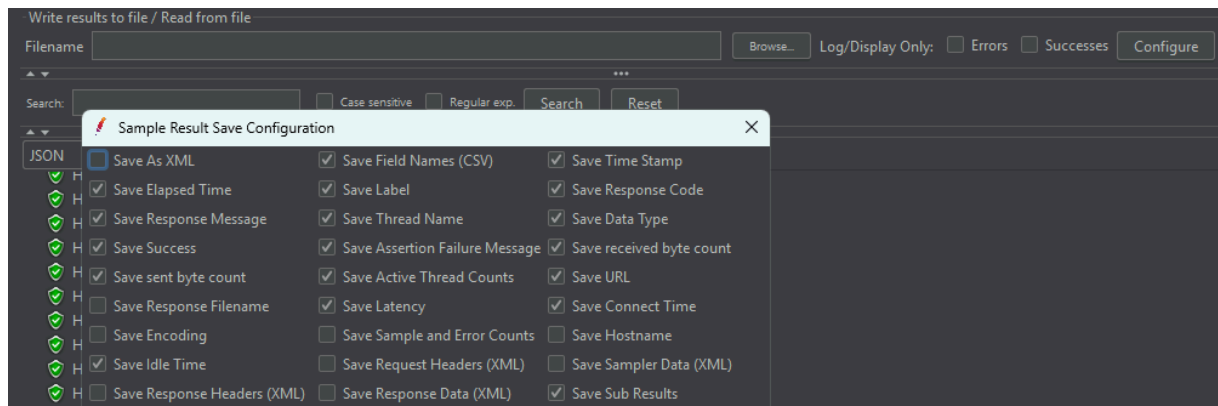
For Different Report Generation.



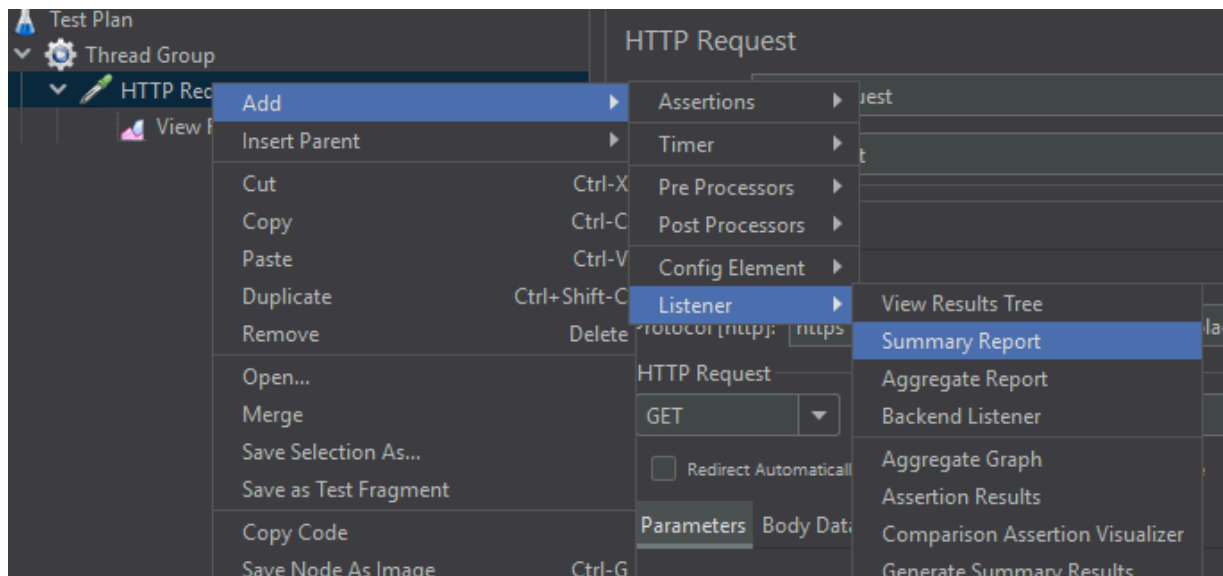
Click in run button.



Save Result to file for that click on configure:



For Generating Summary Report:



Click On Run Icon and see the Summary

Summary Report

Name: Summary Report

Comments: Entire Summary

Write results to file / Read from file

Filename: ☐ Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	20	45	15	80	26.01	0.00%	4.4/sec	29.67	0.57	697
TOTAL	20	45	15	80	26.01	0.00%	4.4/sec	29.67	0.57	697

Aggregate Report for Analysis:

same process in listener click on Aggregate --> save and run

Aggregate Report

Name: Aggregate Report

Comments: For Analysis

Write results to file / Read from file

Filename: ☐ Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received KB/...	Sent KB/sec
HTTP Request	20	42	31	65	65	110	15	110	0.00%	4.4/sec	29.77	0.58
TOTAL	20	42	31	65	65	110	15	110	0.00%	4.4/sec	29.77	0.58

Let's Say If you want to run same from WSL then open wsl

move to the folder where you have downloaded the apache jmeter

run jmeter.sh

```

sonam@DESKTOP-4F8ELLU:/mnt/c/Users/NEW$ cd ..
sonam@DESKTOP-4F8ELLU:/mnt/c/Users$ cd ..
sonam@DESKTOP-4F8ELLU:/mnt/c/$ cd apache-jmeter-5.6.3/bin
sonam@DESKTOP-4F8ELLU:/mnt/c/apache-jmeter-5.6.3/bin$ sh jmeter.sh
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will
future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will
future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will
future release
WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will
future release
Jun 07, 2025 4:59:10 AM java.util.prefs.FileSystemPreferences$1 run
INFO: Created user preferences directory.
=====
Don't use GUI mode for load testing !, only for Test creation and Test debugging.
For load testing, use CLI Mode (was NON GUI):
    jmeter -n -t [jmx file] -l [results file] -e -o [Path to web report folder]
& increase Java Heap to meet your test requirements:
    Modify current env variable HEAP="-Xms1g -Xmx1g -XX:MaxMetaspaceSize=256m" in the jmeter bat
Check : https://jmeter.apache.org/usermanual/best-practices.html
=====
[2025-06-07 04:59:13] [WARNING] System property 'awt.useSystemAAFontSettings' is not set. Using
liasing text mode'
It's recommended to manually add the property to the JVM startup parameters on your platform fo
ntialiasing. Refer to the [documentation](https://docs.oracle.com/javase/8/docs/technotes/guide
aaFonts)for more information on the possible values. [at com.github.weisj.darklaf.task.FontDefa

```

You will be redirected ti Jmeter screen to perform the above mentioned steps.

