

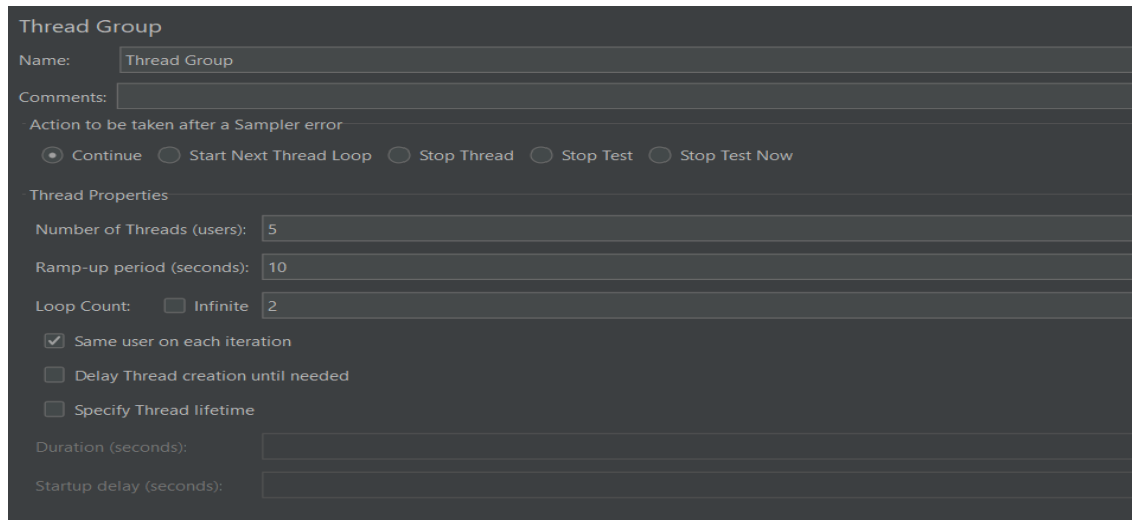
# Assignment On Jmeter to perform load testing

## Step 1 – Download the Jmeter for testing



## Step 2 – Created a basic test plan in JMETER

### a- Add a thred group



**Thread Group**

Name: Thread Group

Comments:

Action to be taken after a Sampler error

☒ Continue ☐ Start Next Thread Loop ☐ Stop Thread ☐ Stop Test ☐ Stop Test Now

**Thread Properties**

Number of Threads (users): 5

Ramp-up period (seconds): 10

Loop Count: ☐ Infinite 2

☒ Same user on each iteration

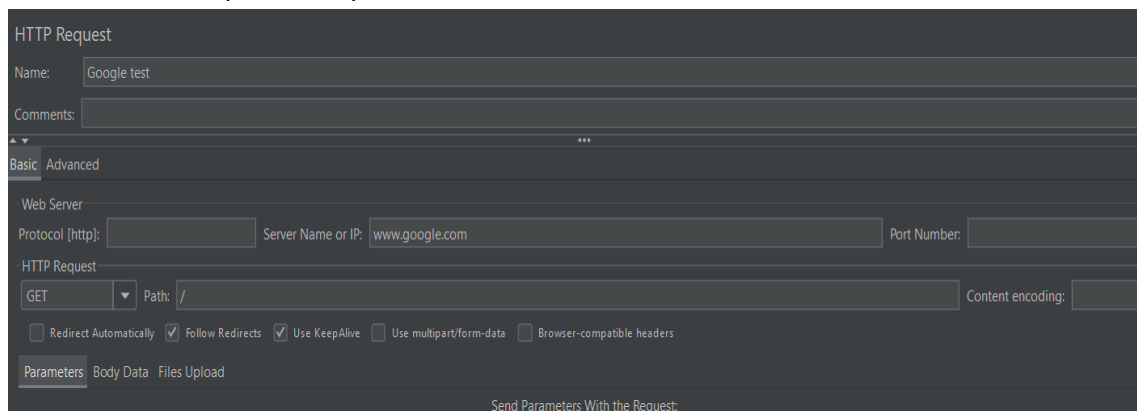
☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Duration (seconds):

Startup delay (seconds):

### b- Add an HTTP Request Sampler



**HTTP Request**

Name: Google test

Comments:

Basic Advanced

Web Server

Protocol [http:]: Server Name or IP: www.google.com Port Number:

HTTP Request

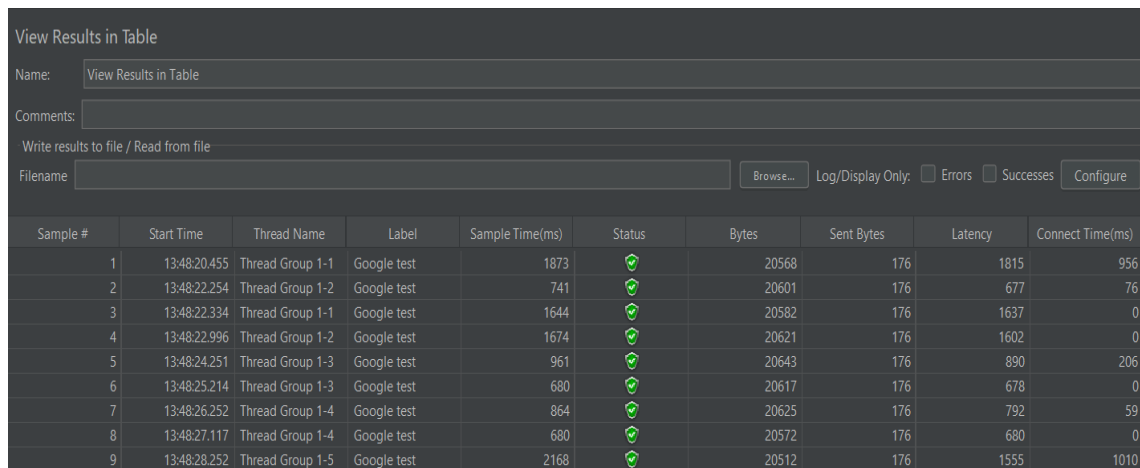
GET Path: / Content encoding:

☐ Redirect Automatically ☒ Follow Redirects ☒ Use KeepAlive ☐ Use multipart/form-data ☐ Browser-compatible headers

Parameters Body Data Files Upload

Send Parameters With the Request:

### c- Add a Listener to View Results



**View Results in Table**

Name: View Results in Table

Comments:

Write results to file / Read from file

Filename: Browse... Log/Display Only: ☐ Errors ☐ Successes Configure

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	13:48:20.455	Thread Group 1-1	Google test	1873	✓	20568	176	1815	956
2	13:48:22.254	Thread Group 1-2	Google test	741	✓	20601	176	677	76
3	13:48:22.334	Thread Group 1-1	Google test	1644	✓	20582	176	1637	0
4	13:48:22.996	Thread Group 1-2	Google test	1674	✓	20621	176	1602	0
5	13:48:24.251	Thread Group 1-3	Google test	961	✓	20643	176	890	206
6	13:48:25.214	Thread Group 1-3	Google test	680	✓	20617	176	678	0
7	13:48:26.252	Thread Group 1-4	Google test	864	✓	20625	176	792	59
8	13:48:27.117	Thread Group 1-4	Google test	680	✓	20572	176	680	0
9	13:48:28.252	Thread Group 1-5	Google test	2168	✓	20512	176	1555	1010

Step 3 – Run the test plan and check the website is handle the user or not .

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Google test	280	1198	461	2807	593.58	0.00%	8.0/min	2.68	0.02	20600.5
TOTAL	280	1198	461	2807	593.58	0.00%	8.0/min	2.68	0.02	20600.5

Step 4 –

Average Response time is – 1.2 to 1.3 which is best

Error ---- 0.0%

Throghput --- 8.0/min

The application performed smoothly, and no performance bottlenecks were identified.