



Lab/Project Assignment Report

Only for course Teacher						
		Needs Improvement	Developing	Sufficient	Above Average	Total Mark
Allocate mark & Percentage		25%	50%	75%	100%	5
Creativity	1					
Content Development	2					
Problem solving	1					
Organization and Formatting	1					
Total obtained mark						
Comments						

Semester: Summer-2025

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Batch: 40th

Section: D1

Course Code: SE-313 Course Name: Software Quality Assurance & Testing Lab

Course Teacher Name: ZNM Zarif Mahmud

Designation: Lecturer

Submission Date: 26/08/2025

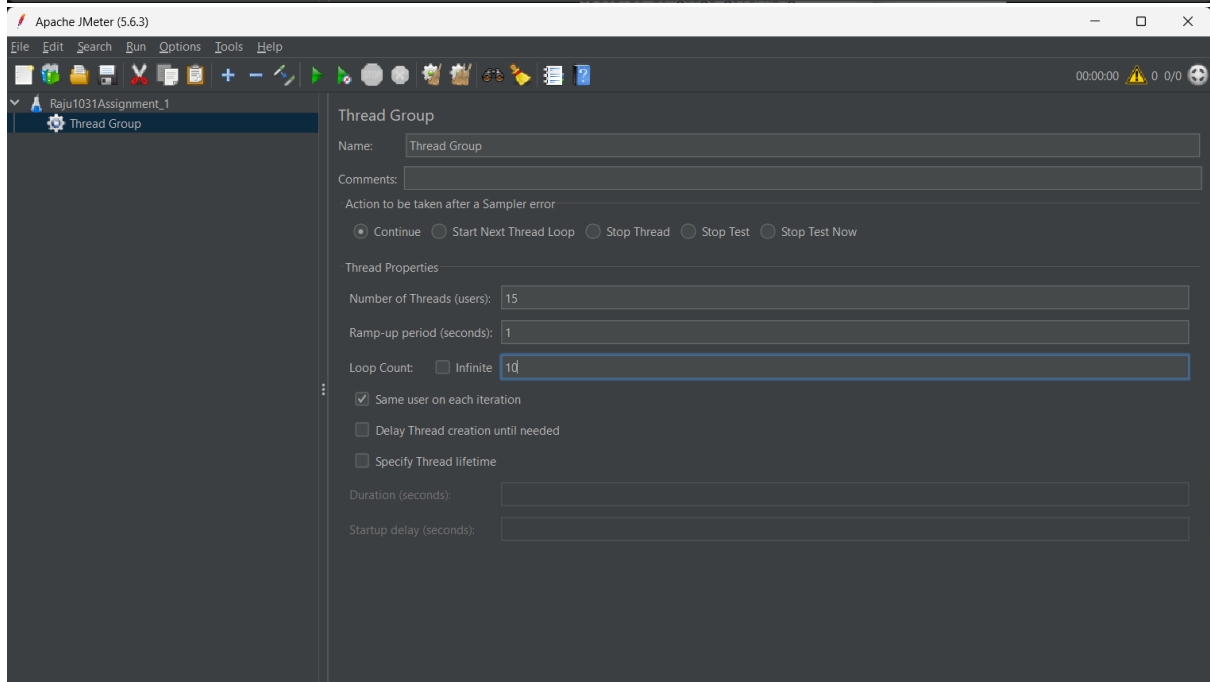
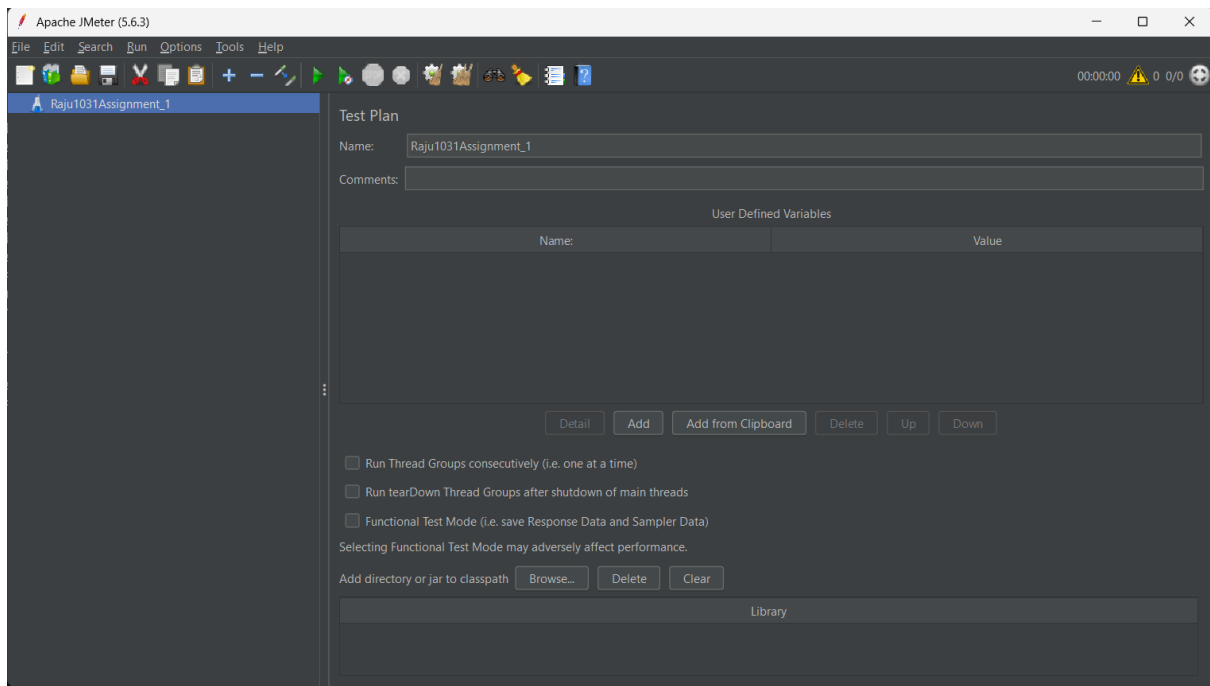
JMeter (Performance Testing)

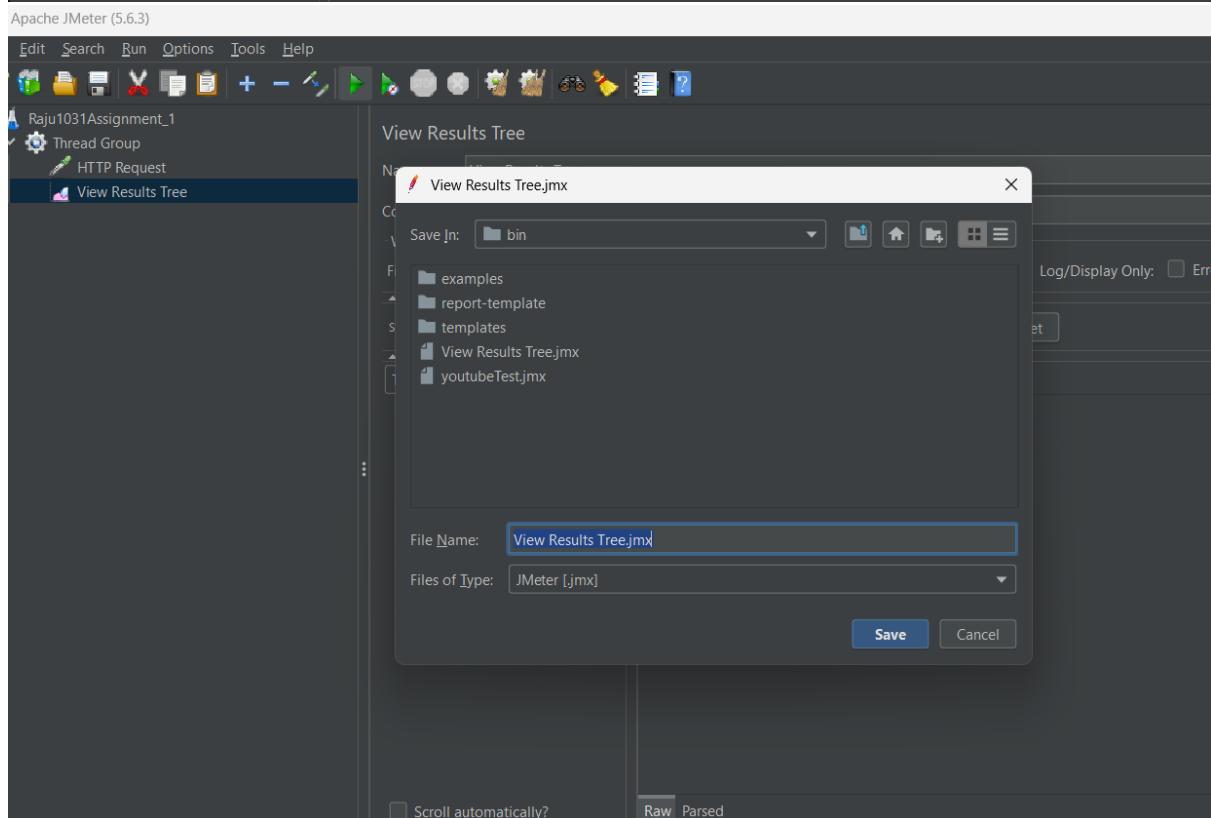
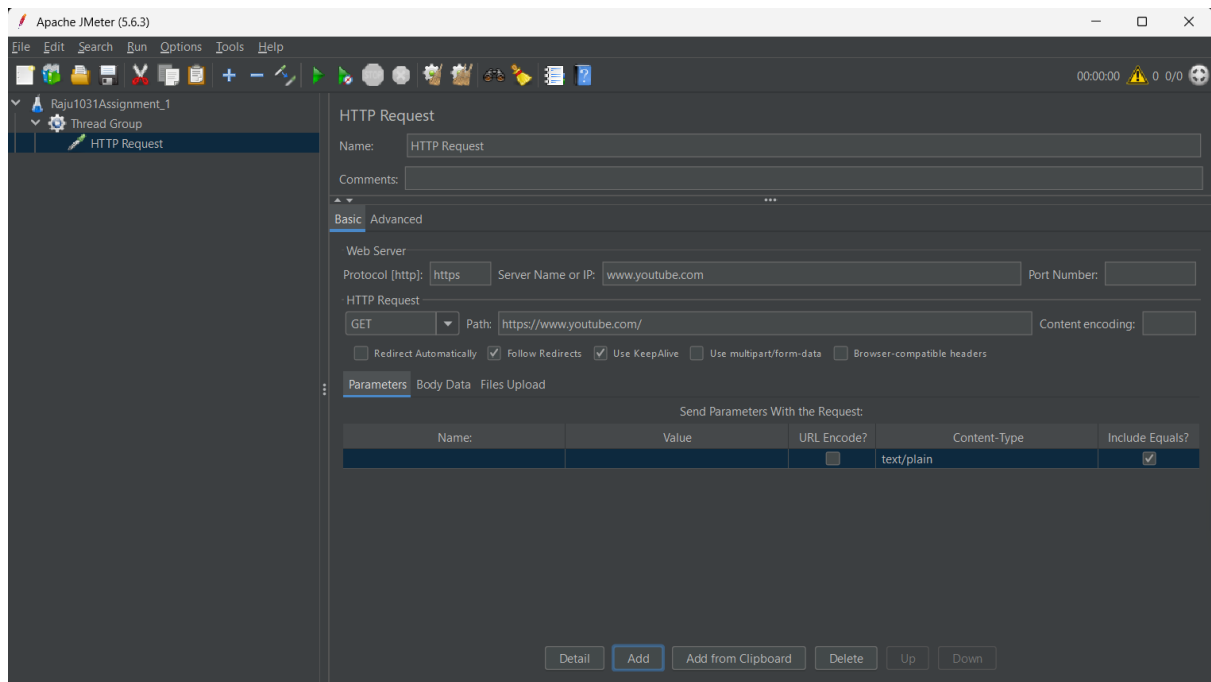
Task 1: Setting up JMeter

1. First, make sure you have Java (JDK 8 or later) installed on your system.
2. Go to the official Apache JMeter website, download the ZIP package, and then extract it.
3. To launch JMeter:
 - (i) On Windows, open the bin folder and double-click on jmeter.bat.

Task-2: Test Plan Creation

1. I designed a test plan that performs GET requests on the public API endpoint:
<https://www.youtube.com/>
2. Setup Details:
 - i. Thread Group:
 - (a) Number of Threads (Users): 15
 - (b) Loop Count: 10 (which makes a total of 150 requests)
 - ii. HTTP Request Sampler:
 - (a) Protocol: HTTPS
 - (b) Server Name: <https://www.youtube.com/>
 - (c) Path: /posts
 - (d) Method: GET
 - iii. Listeners Included:
 - (a) View Results Tree
 - (b) Summary Report





View Results Tree.jmx (C:\Users\afzal\Downloads\apache-jmeter-5.6.3\apache-jmeter-5.6.3\bin\View Results Tree.jmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

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Raju1031Assignment_1

- Thread Group
 - HTTP Request
 - View Results Tree
 - View Results in Table

View Results in Table

Name: View Results in Table

Comments:

Write results to file / Read from file

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

Sample #	Start Time	Thread Name	Label	Sample Time...	Status	Bytes	Sent Bytes	Latency	Connect Tim...
1	00:43:56.228	Thread Grou...	HTTP Request	752	✓	688045	177	230	79
2	00:43:56.365	Thread Grou...	HTTP Request	2643	✓	680550	177	331	87
3	00:43:56.832	Thread Grou...	HTTP Request	3205	✓	685942	177	1128	853
4	00:43:57.035	Thread Grou...	HTTP Request	3645	✓	686257	177	451	143
5	00:43:56.162	Thread Grou...	HTTP Request	4532	✓	685517	177	299	125
6	00:43:56.765	Thread Grou...	HTTP Request	4075	✓	688189	177	1377	1129
7	00:43:57.101	Thread Grou...	HTTP Request	5347	✓	686664	177	2864	2445
8	00:43:56.699	Thread Grou...	HTTP Request	5750	✓	690696	177	805	407
9	00:43:56.564	Thread Grou...	HTTP Request	6086	✓	690386	177	2705	2476
10	00:43:56.296	Thread Grou...	HTTP Request	6794	✓	683137	177	235	81
11	00:43:56.981	Thread Grou...	HTTP Request	6279	✓	686654	177	208	0
12	00:43:56.430	Thread Grou...	HTTP Request	6844	✓	685533	177	416	113
13	00:43:56.899	Thread Grou...	HTTP Request	6949	✓	685917	177	350	102
14	00:43:59.009	Thread Grou...	HTTP Request	5534	✓	682556	177	270	0
15	00:44:00.841	Thread Grou...	HTTP Request	3983	✓	688168	177	275	0
16	00:44:02.448	Thread Grou...	HTTP Request	3214	✓	688015	177	199	0
17	00:43:56.632	Thread Grou...	HTTP Request	9055	✓	688954	177	901	571
18	00:44:00.680	Thread Grou...	HTTP Request	5034	✓	681969	177	191	0
19	00:43:56.969	Thread Grou...	HTTP Request	9346	✓	684679	177	413	103
20	00:43:56.498	Thread Grou...	HTTP Request	9848	✓	683035	177	1069	664

Task-3: Analyse the test results

In Summary Report:

- Average (ms) → Average response time is 4965
- Throughput → 2.4/sec
- Error % → 9.33%

View Results Tree.jmx (C:\Users\afzal\Downloads\apache-jmeter-5.6.3\apache-jmeter-5.6.3\bin\View Results Tree.jmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

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Raju1031Assignment_1

- Thread Group
 - HTTP Request
 - View Results Tree
 - View Results in Table
 - Aggregate Report

Aggregate Report

Name: Aggregate Report

Comments:

Write results to file / Read from file

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

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maxim...	Error %	Throughput	Received K...	Sent KB/sec
HTTP Req...	150	4965	4989	7722	8203	9301	367	10826	9.33%	2.4/sec	1484.26	1.58
TOTAL	150	4965	4989	7722	8203	9301	367	10826	9.33%	2.4/sec	1484.26	1.58

☐ Include group name in label? ☒ Save Table Header

Task-4: Export the file

- The test plan is saved as Raju1031Assignment_1.jmx

