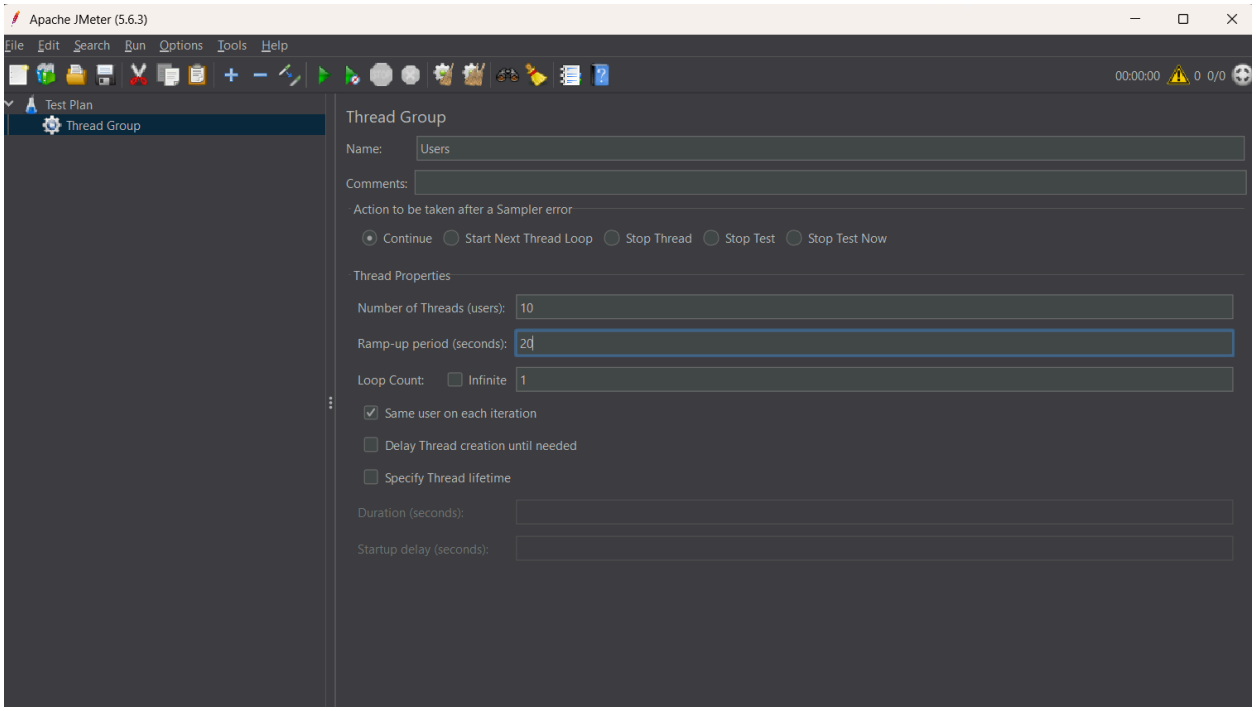
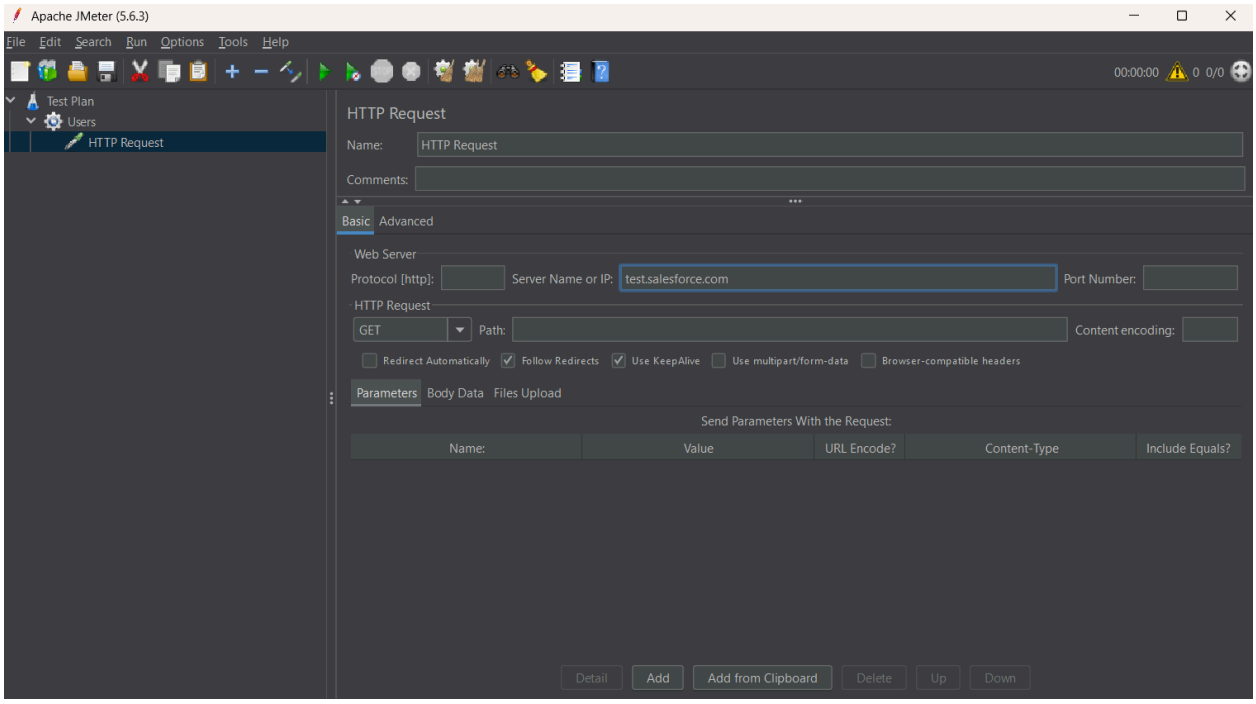
Roll No. and Name: 21BCE021 Vani Balani

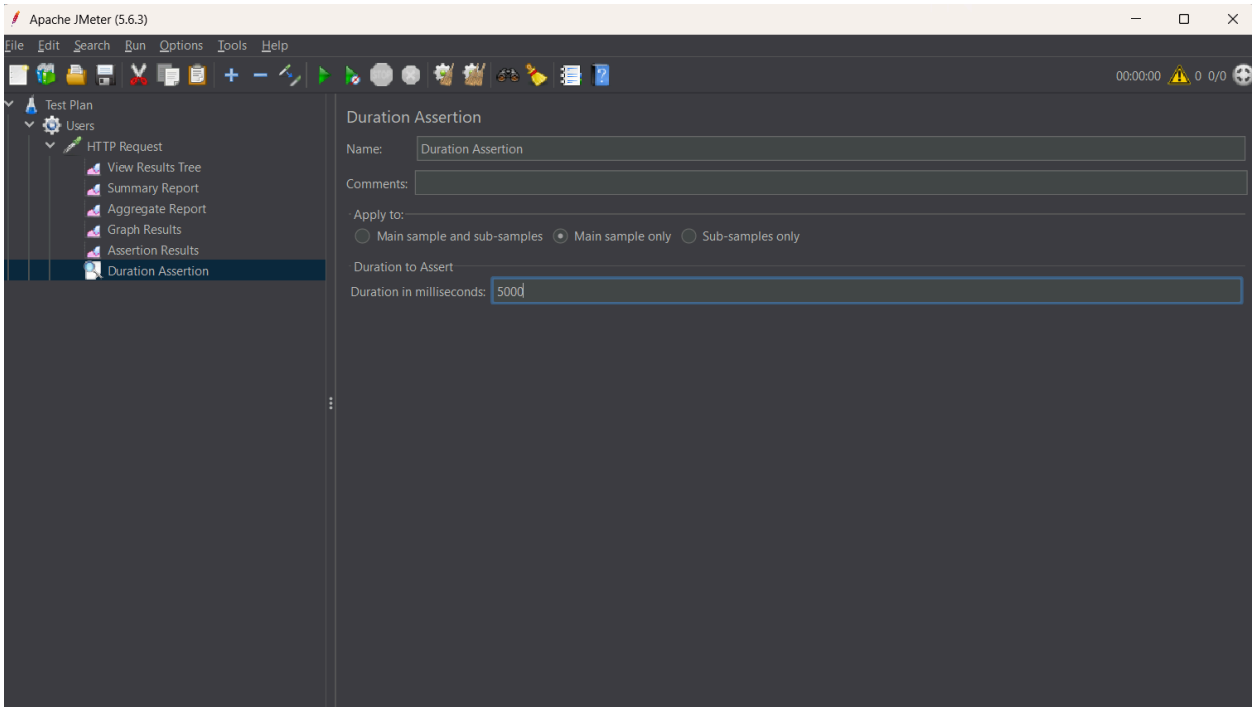
Course Code and Name: 2CSDE80 Software Testing & Quality Assurance

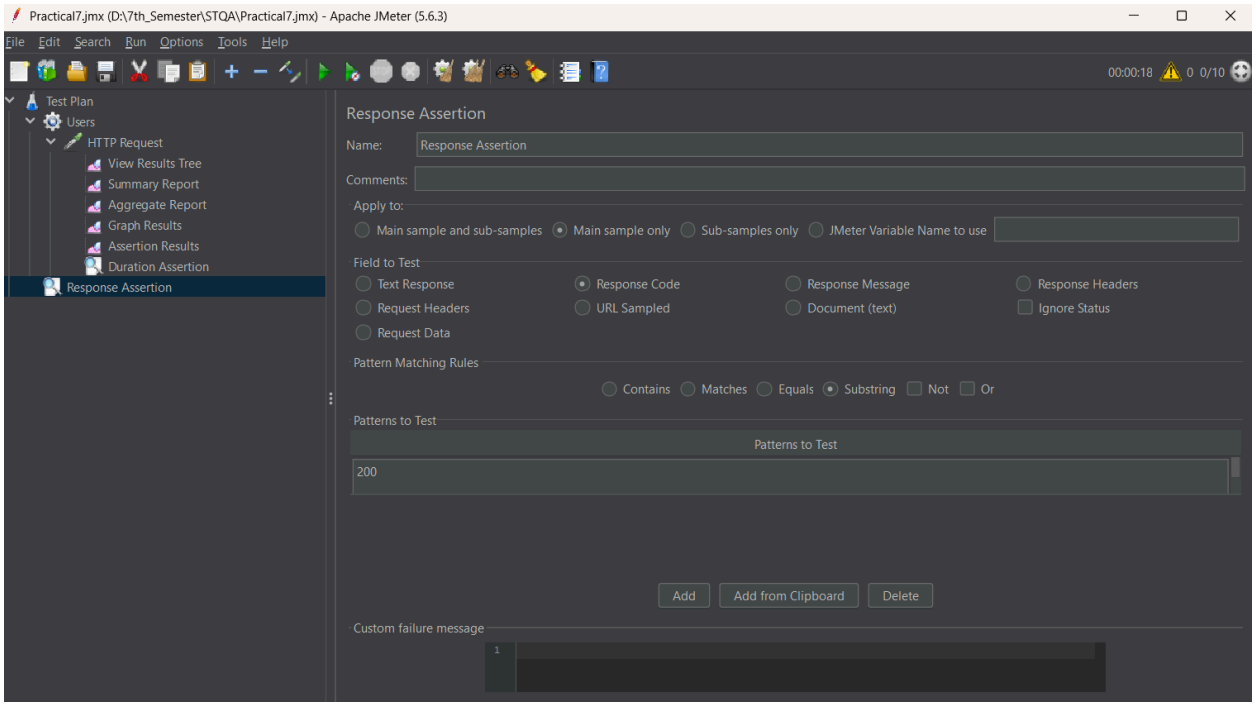
Practical No: 7

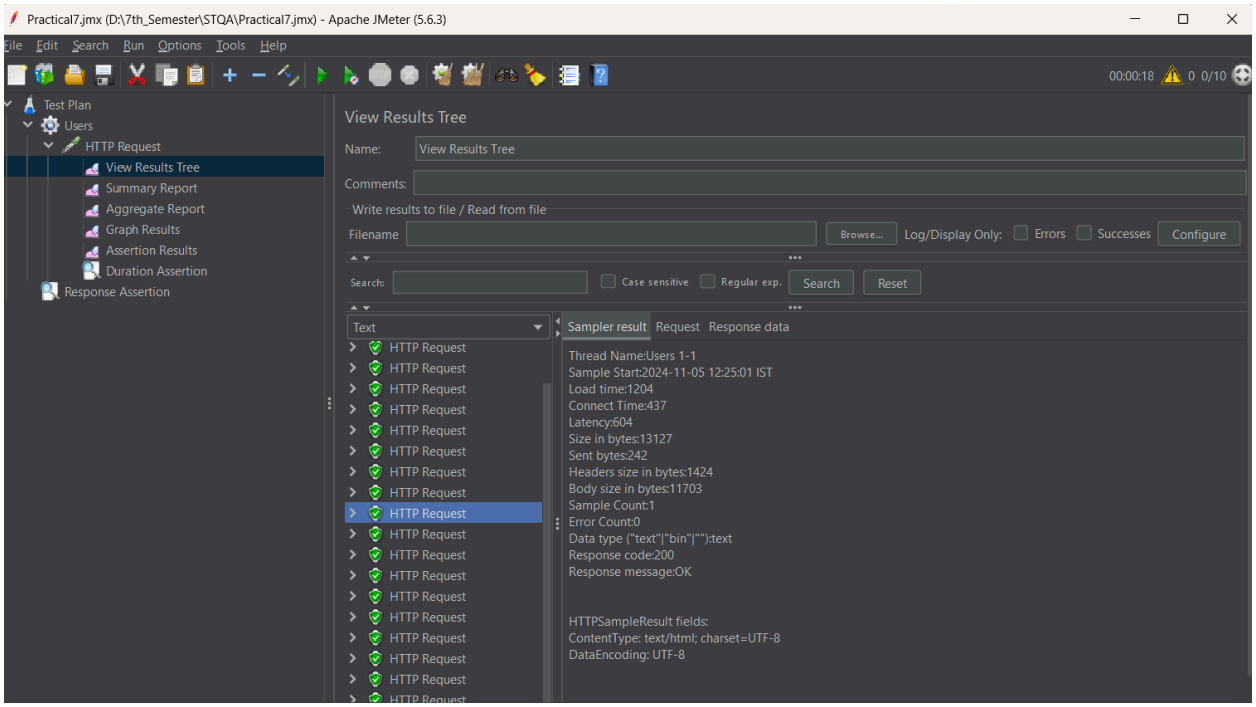
AIM : To demonstrate performance-based testing using JMeter tool.

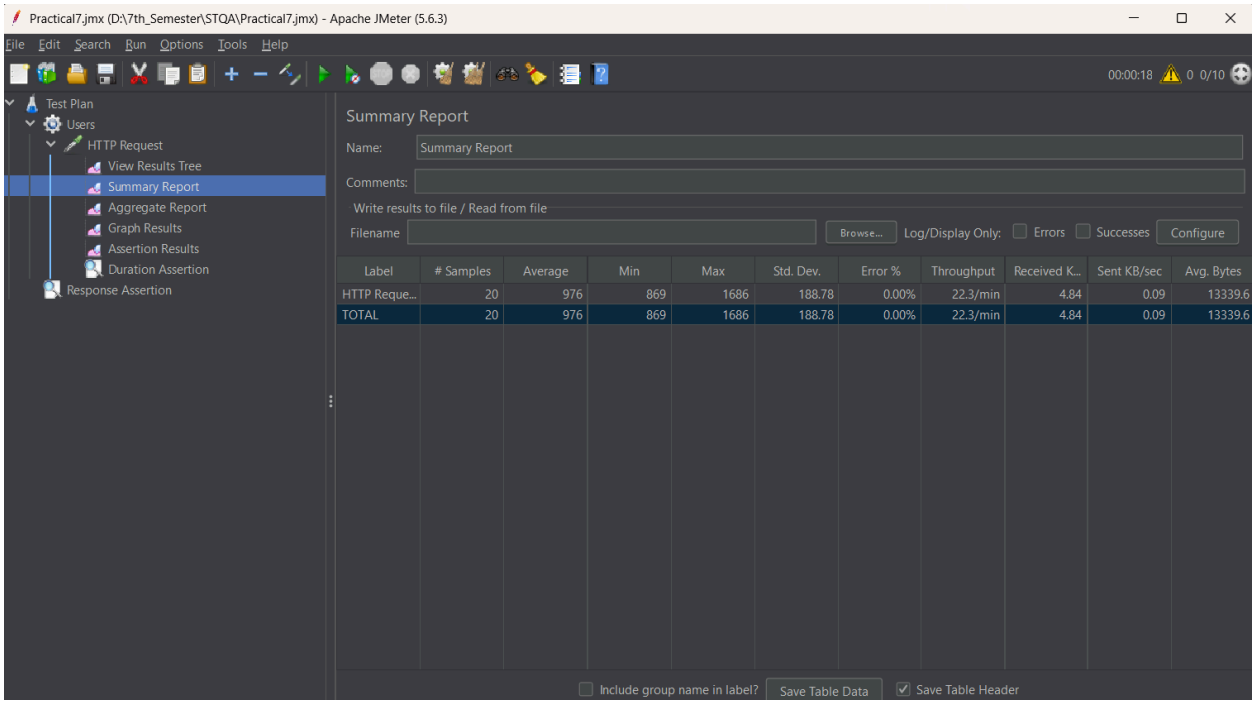


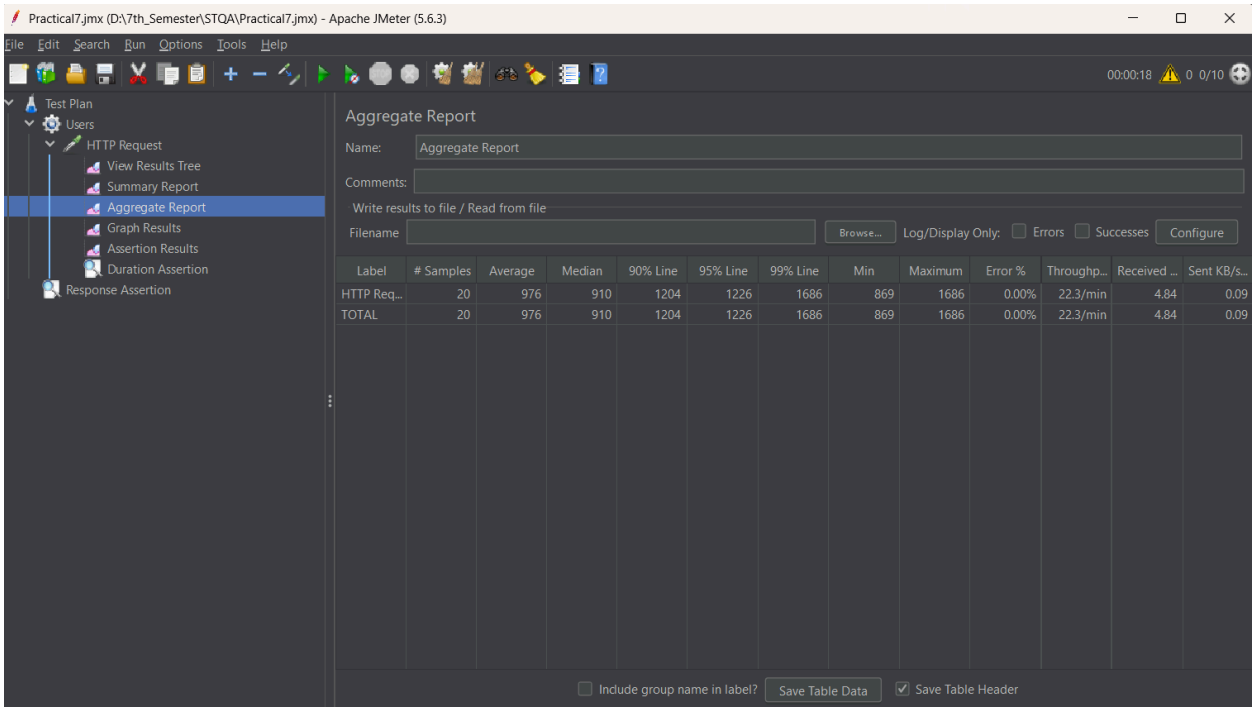

Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:00 0 0/0
Test Plan
Users
HTTP Request
HTTP Request
Name: HTTP Request
Comments:
Basic Advanced
Web Server
Protocol [http]:
Server Name or IP: test.salesforce.com
Port Number:
HTTP Request
GET
Path:
Content encoding:
Redirect Automatically
Follow Redirects
Use KeepAlive
Use multipart/form-data
Browser-compatible headers
Parameters Body Data Files Upload
Send Parameters With the Request:
Name:
Value
URL Encode?
Content-Type
Include Equals?
Detail
Add
Add from Clipboard
Delete
Up
Down

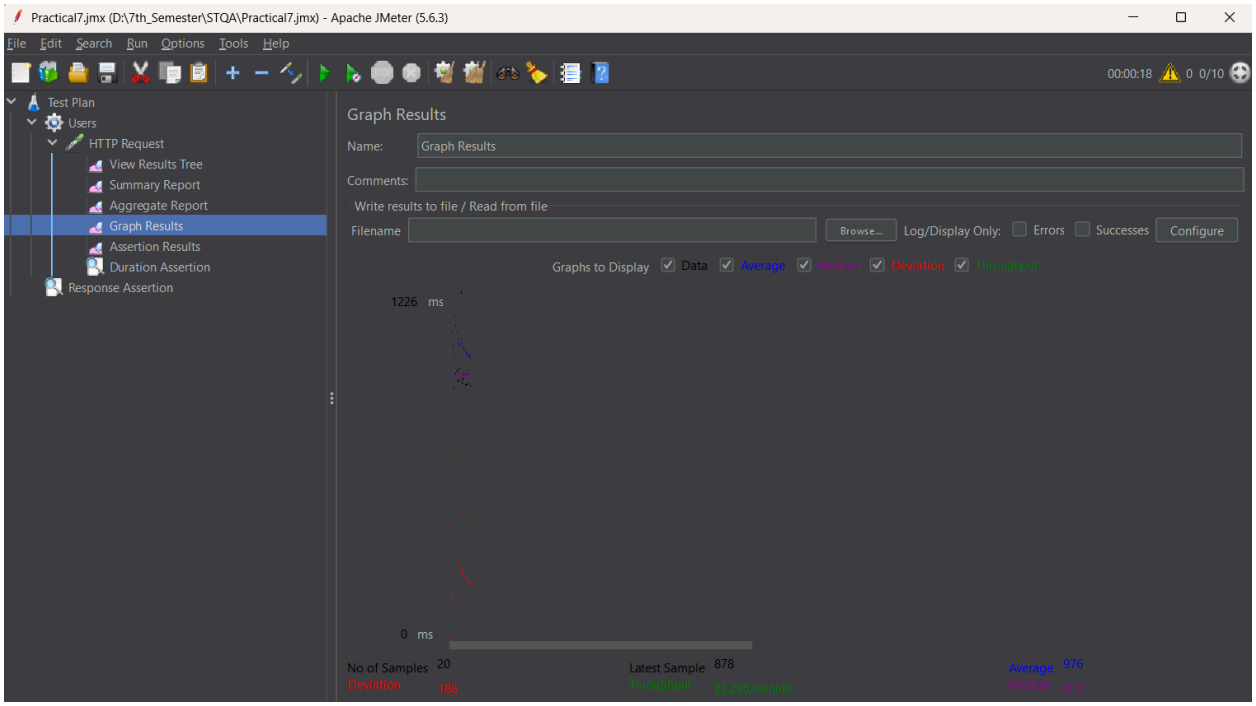

Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:00 0 0/0
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Duration Assertion
Name: Duration Assertion
Comments:
Apply to:
Main sample and sub-samples
Main sample only
Sub-samples only
Duration to Assert
Duration in milliseconds: 5000

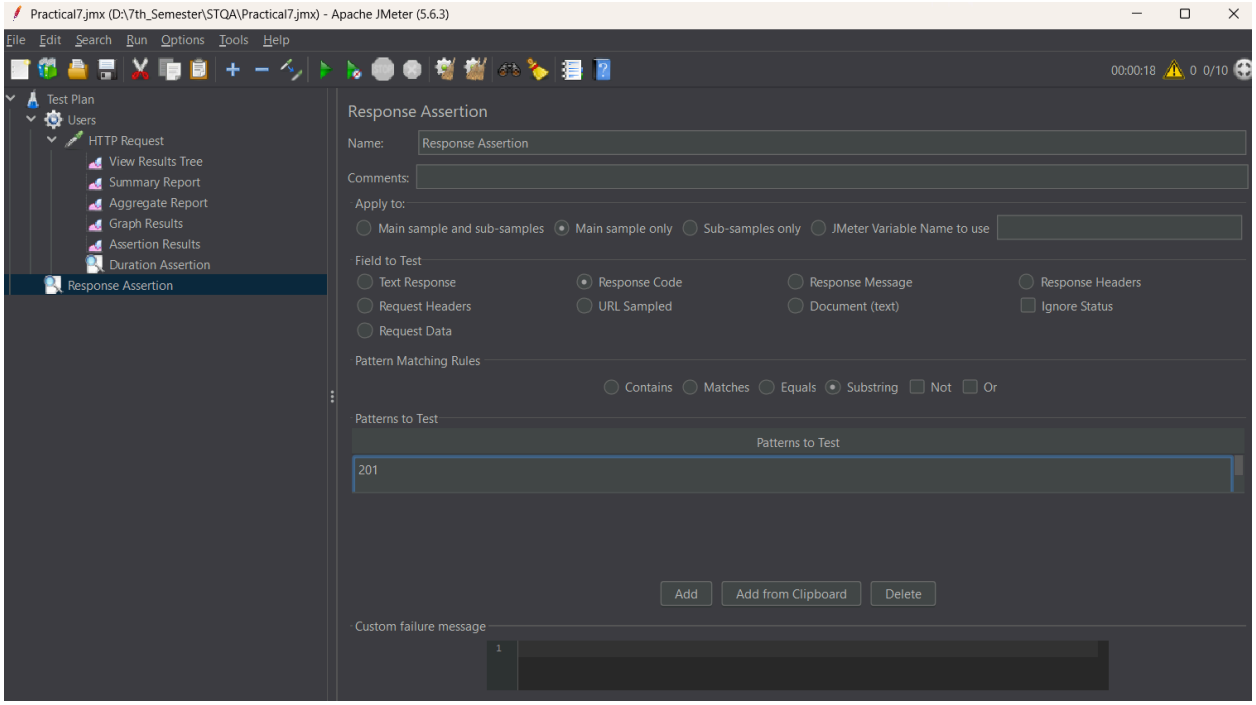

Practical7.jmx (D:\7th_Semester\STQA\Practical7.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:18 0 0/10
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Response Assertion
Response Assertion
Name: Response Assertion
Comments:
Apply to:
Main sample and sub-samples
Main sample only
Sub-samples only
JMeter Variable Name to use
Field to Test
Text Response
Response Code
Response Message
Response Headers
Request Headers
URL Sampled
Document (text)
Ignore Status
Request Data
Pattern Matching Rules
Contains
Matches
Equals
Substring
Not
Or
Patterns to Test
Patterns to Test
200
Add
Add from Clipboard
Delete
Custom failure message

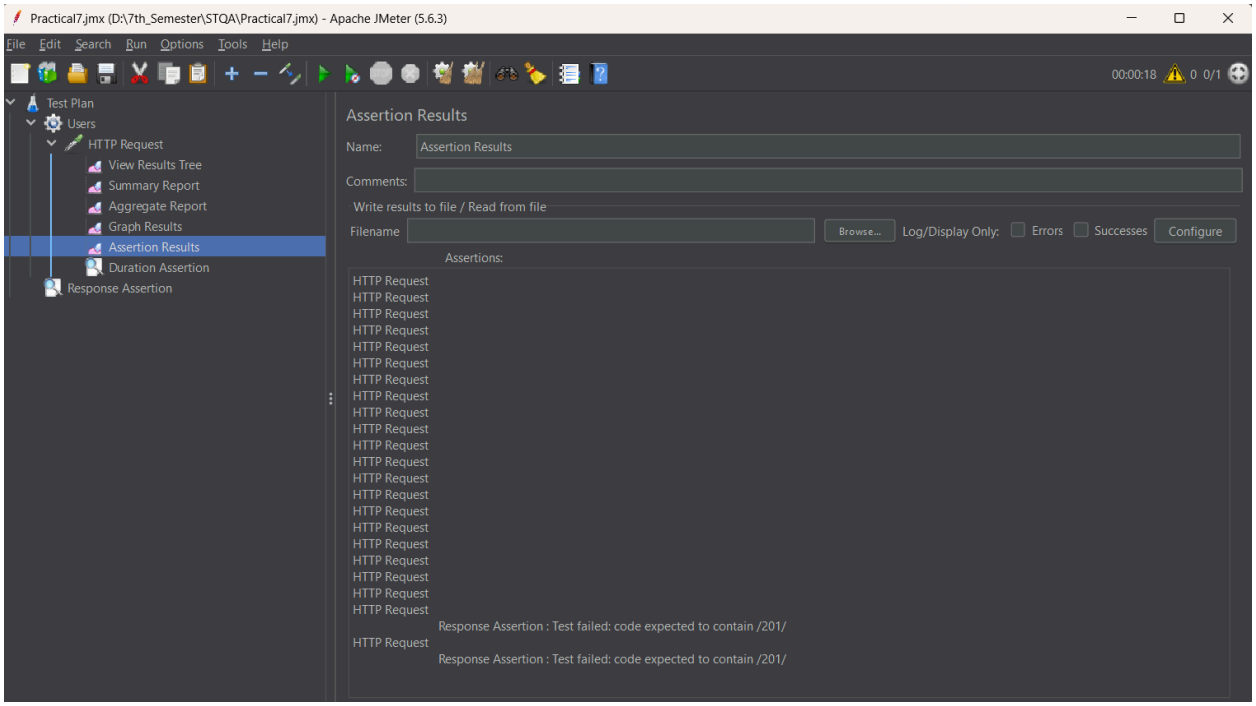

Practical7.jmx (D:\7th_Semester\STQA\Practical7.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:18 0 0/10
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Response Assertion
View Results Tree
Name: View Results Tree
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only:
Errors
Successes
Configure
Search:
Case sensitive
Regular exp.
Search
Reset
Text
HTTP Request
Sampler result
Request
Response data
Thread Name:Users 1-1
Sample Start:2024-11-05 12:25:01 IST
Load time:1204
Connect Time:437
Latency:604
Size in bytes:13127
Sent bytes:242
Headers size in bytes:1424
Body size in bytes:11703
Sample Count:1
Error Count:0
Data type ("text"|"bin"|""):text
Response code:200
Response message:OK
HTTPSampleResult fields:
ContentType: text/html; charset=UTF-8
DataEncoding: UTF-8

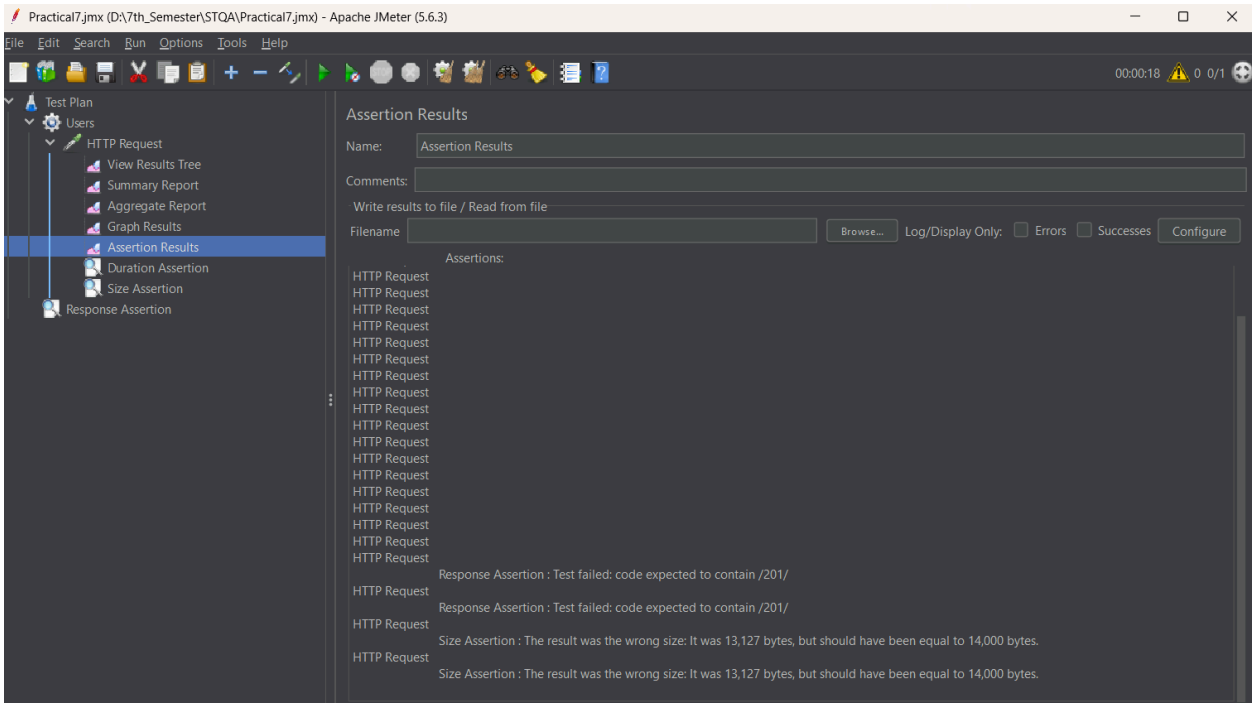

Practical7.jmx (D:\7th_Semester\STQA\Practical7.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:18 0 0/10
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Response Assertion
Summary Report
Name: Summary Report
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only: Errors Successes
Configure
Label # Samples Average Min Max Std. Dev. Error % Throughput Received K... Sent KB/sec Avg. Bytes
HTTP Reque... 20 976 869 1686 188.78 0.00% 22.3/min 4.84 0.09 13339.6
TOTAL 20 976 869 1686 188.78 0.00% 22.3/min 4.84 0.09 13339.6
Include group name in label?
Save Table Data
Save Table Header

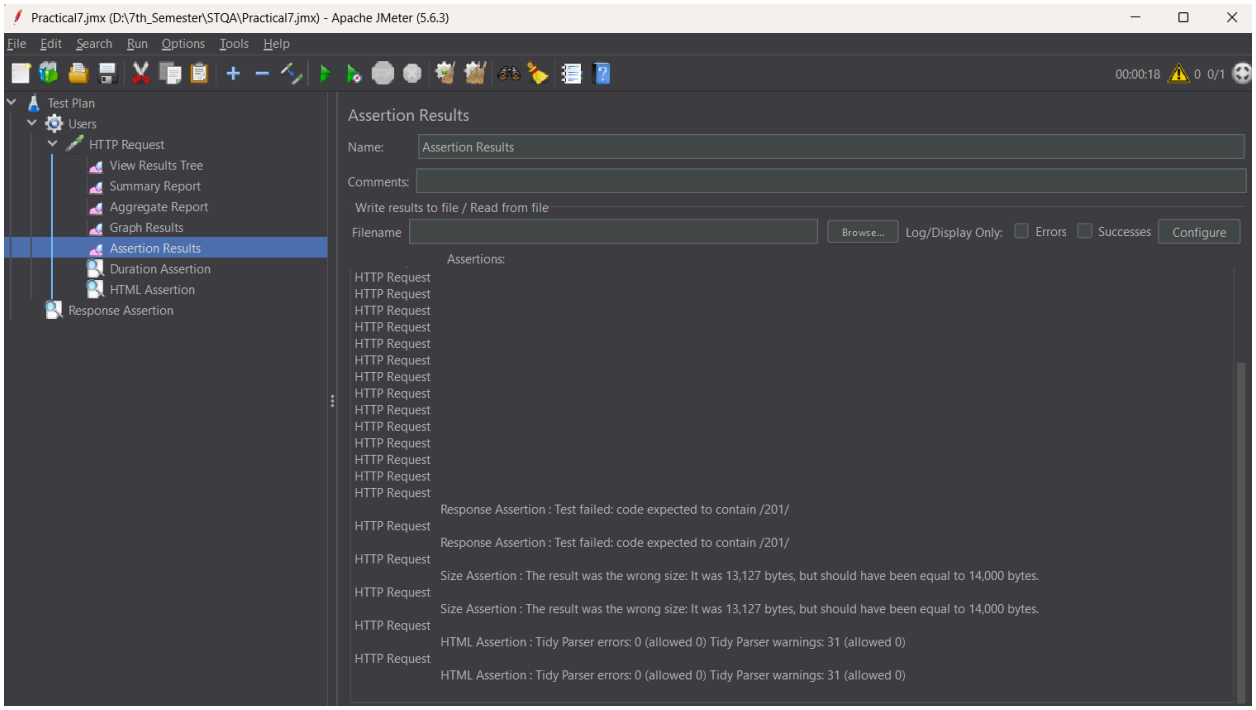

Practical7.jmx (D:\7th_Semester\STQA\Practical7.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:18 0 0/10
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Response Assertion
Aggregate Report
Name: Aggregate Report
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only: Errors Successes
Configure
Label # Samples Average Median 90% Line 95% Line 99% Line Min Maximum Error % Throughp... Received ... Sent KB/s...
HTTP Req... 20 976 910 1204 1226 1686 869 1686 0.00% 22.3/min 4.84 0.09
TOTAL 20 976 910 1204 1226 1686 869 1686 0.00% 22.3/min 4.84 0.09
Include group name in label?
Save Table Data
Save Table Header

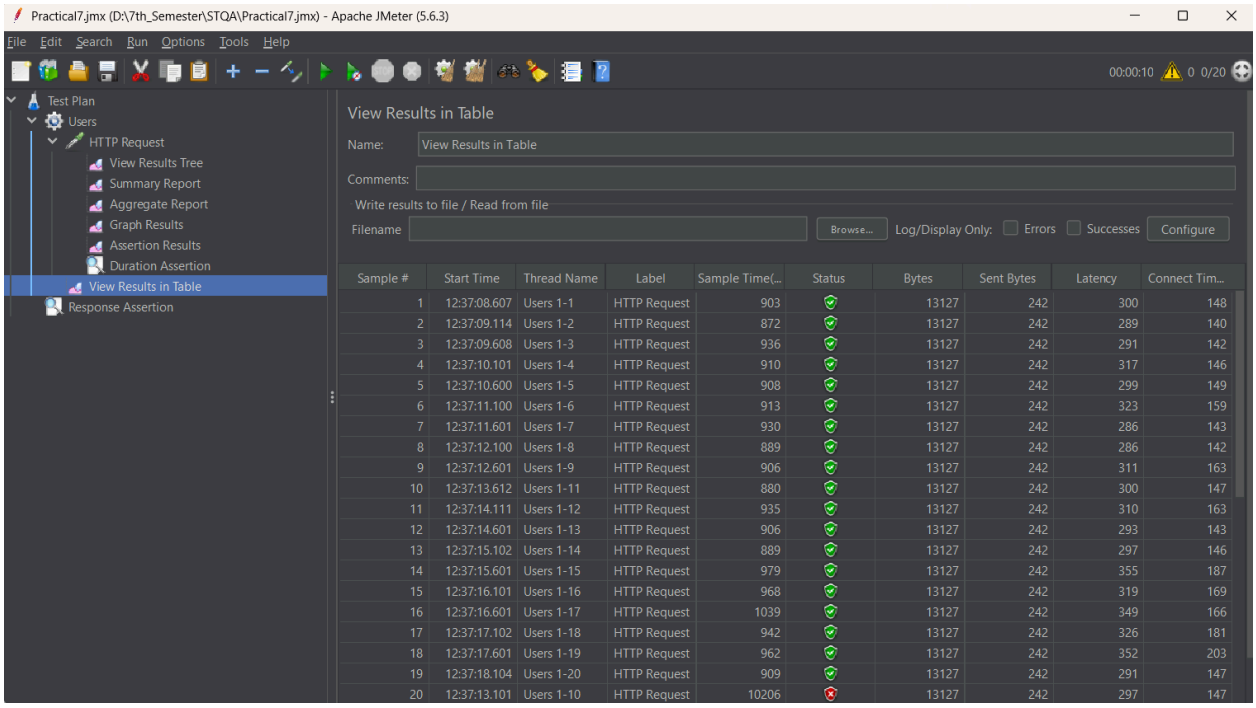

Practical7.jmx (D:\7th_Semester\STQA\Practical7.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:18 0 0/10
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Response Assertion
Graph Results
Name: Graph Results
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only: Errors Successes
Configure
Graphs to Display Data Average Median Deviation Throughput
1226 ms
0 ms
No of Samples 20
Latest Sample 878
Average 976
Deviation 188
Median 910


Practical7.jmx (D:\7th_Semester\STQA\Practical7.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:18 0 0/10
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Response Assertion
Response Assertion
Name: Response Assertion
Comments:
Apply to:
Main sample and sub-samples Main sample only Sub-samples only JMeter Variable Name to use
Field to Test
Text Response Response Code Response Message Response Headers
Request Headers URL Sampled Document (text) Ignore Status
Request Data
Pattern Matching Rules
Contains Matches Equals Substring Not Or
Patterns to Test
Patterns to Test
201
Add Add from Clipboard Delete
Custom failure message


Practical7.jmx (D:\7th_Semester\STQA\Practical7.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:18 0 0/1
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Response Assertion
Assertion Results
Name: Assertion Results
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only:
Errors
Successes
Configure
Assertions:
HTTP Request
Response Assertion : Test failed: code expected to contain /201/


Practical7.jmx (D:\7th_Semester\STQA\Practical7.jmx) - Apache JMeter (5.6.3)
File Edit Search Run Options Tools Help
00:00:18 0 0/1
Test Plan
Users
HTTP Request
View Results Tree
Summary Report
Aggregate Report
Graph Results
Assertion Results
Duration Assertion
Size Assertion
Response Assertion
Assertion Results
Name: Assertion Results
Comments:
Write results to file / Read from file
Filename
Browse...
Log/Display Only:
Errors
Successes
Configure
Assertions:
HTTP Request
Response Assertion : Test failed: code expected to contain /201/
Size Assertion : The result was the wrong size: It was 13,127 bytes, but should have been equal to 14,000 bytes.





Sample #	Start Time	Thread Name	Label	Sample Time(...	Status	Bytes	Sent Bytes	Latency	Connect Tim...
1	12:37:08.607	Users 1-1	HTTP Request	903		13127	242	300	148
2	12:37:09.114	Users 1-2	HTTP Request	872		13127	242	289	140
3	12:37:09.608	Users 1-3	HTTP Request	936		13127	242	291	142
4	12:37:10.101	Users 1-4	HTTP Request	910		13127	242	317	146
5	12:37:10.600	Users 1-5	HTTP Request	908		13127	242	299	149
6	12:37:11.100	Users 1-6	HTTP Request	913		13127	242	323	159
7	12:37:11.601	Users 1-7	HTTP Request	930		13127	242	286	143
8	12:37:12.100	Users 1-8	HTTP Request	889		13127	242	286	142
9	12:37:12.601	Users 1-9	HTTP Request	906		13127	242	311	163
10	12:37:13.612	Users 1-11	HTTP Request	880		13127	242	300	147
11	12:37:14.111	Users 1-12	HTTP Request	935		13127	242	310	163
12	12:37:14.601	Users 1-13	HTTP Request	906		13127	242	293	143
13	12:37:15.102	Users 1-14	HTTP Request	889		13127	242	297	146
14	12:37:15.601	Users 1-15	HTTP Request	979		13127	242	355	187
15	12:37:16.101	Users 1-16	HTTP Request	968		13127	242	319	169
16	12:37:16.601	Users 1-17	HTTP Request	1039		13127	242	349	166
17	12:37:17.102	Users 1-18	HTTP Request	942		13127	242	326	181
18	12:37:17.601	Users 1-19	HTTP Request	962		13127	242	352	203
19	12:37:18.104	Users 1-20	HTTP Request	909		13127	242	291	147
20	12:37:13.101	Users 1-10	HTTP Request	10206		13127	242	297	147