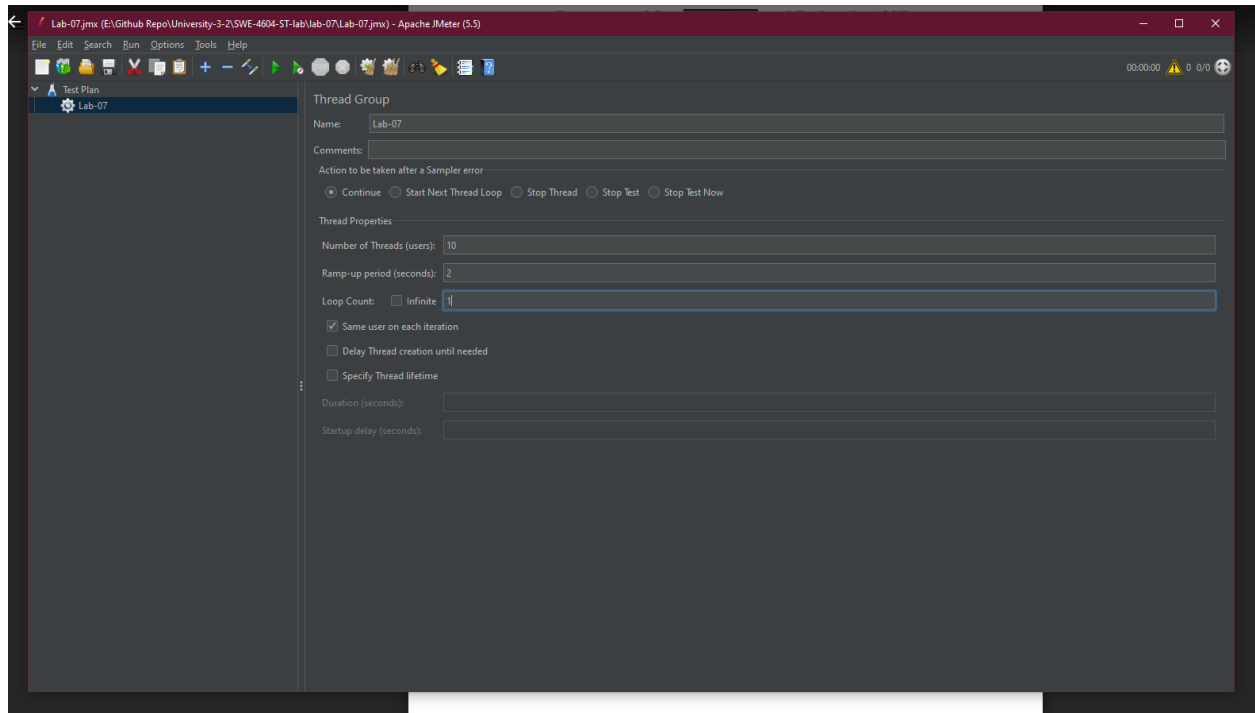
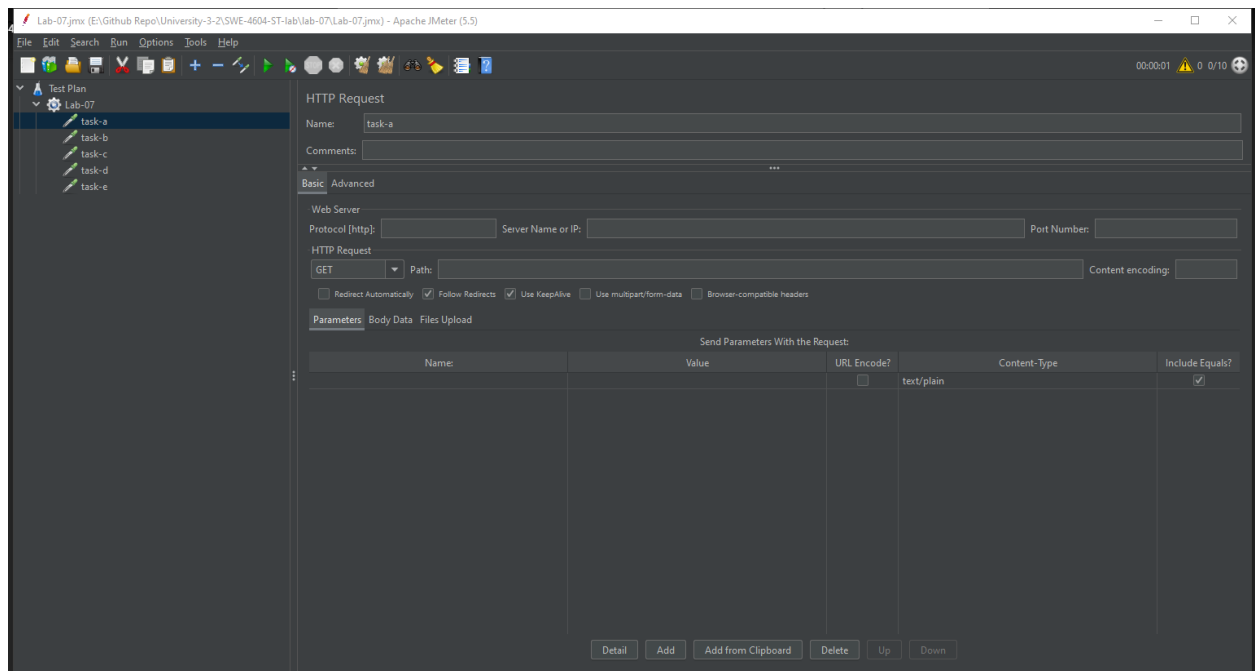


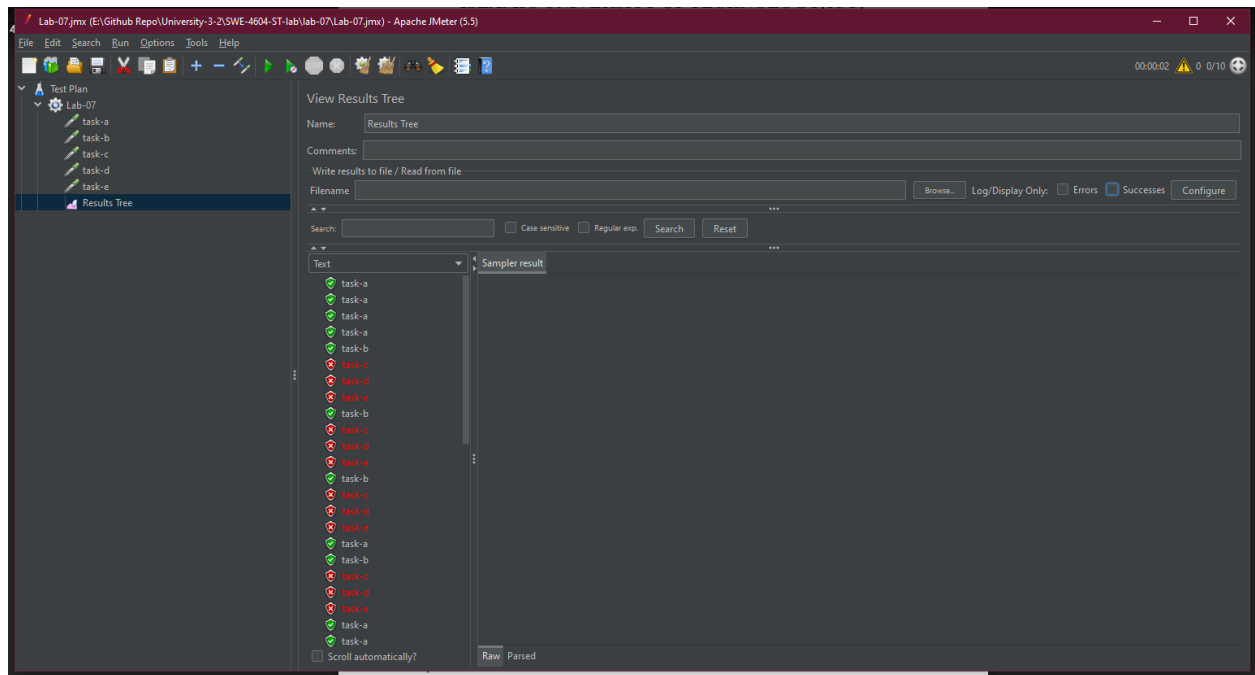
First we created a Thread Group with the 10 number of users and a ramp-up period of 2, keeping the loop count to 1.



After that I created 5 http request samplers to run the test.



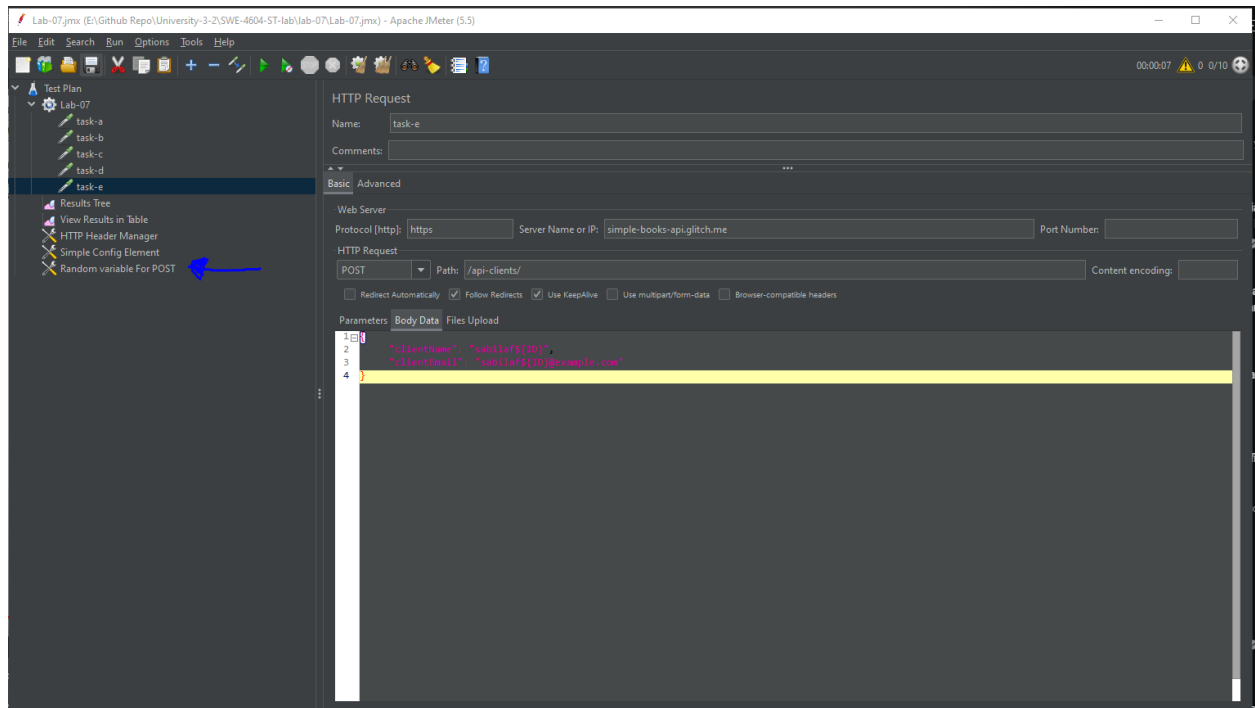
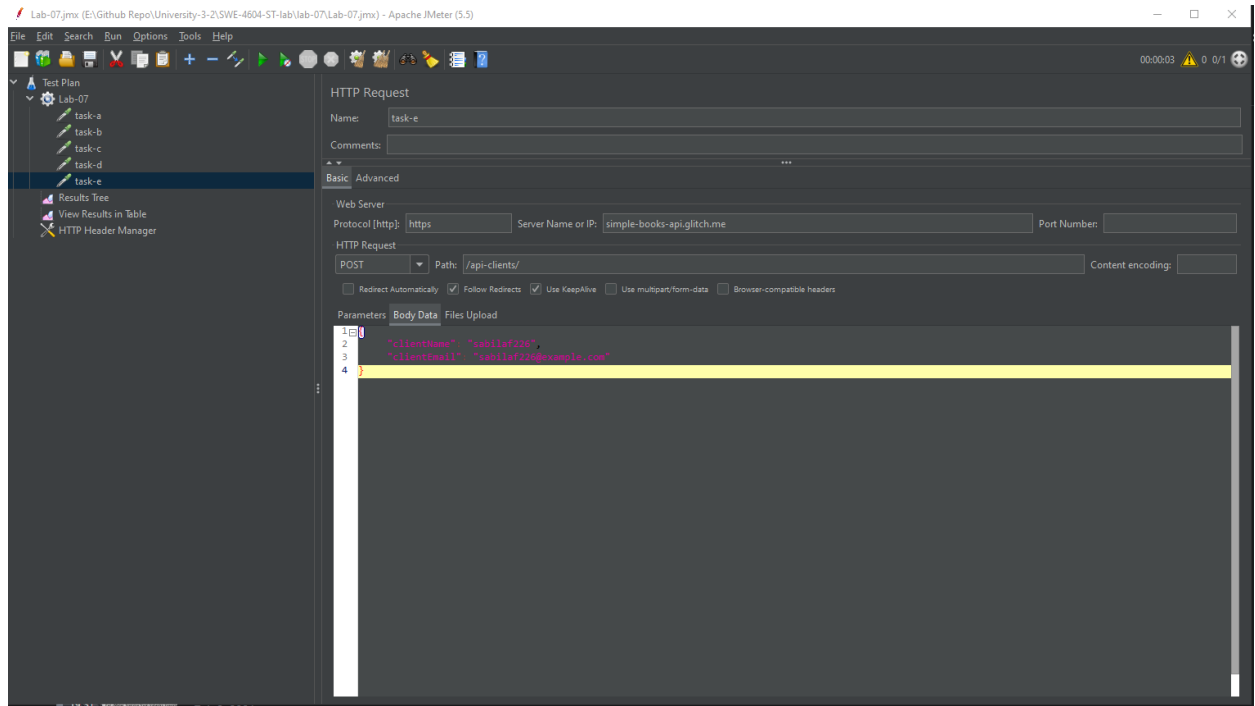
Then I ran task a and task b as it was a simple get request.



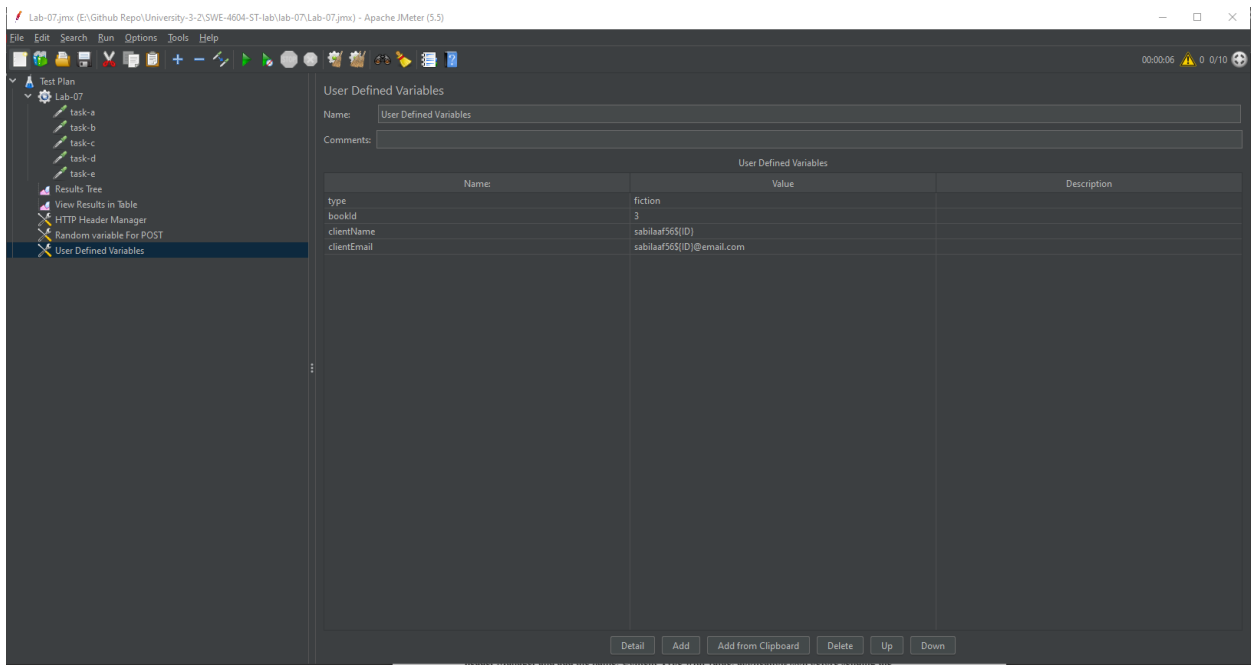
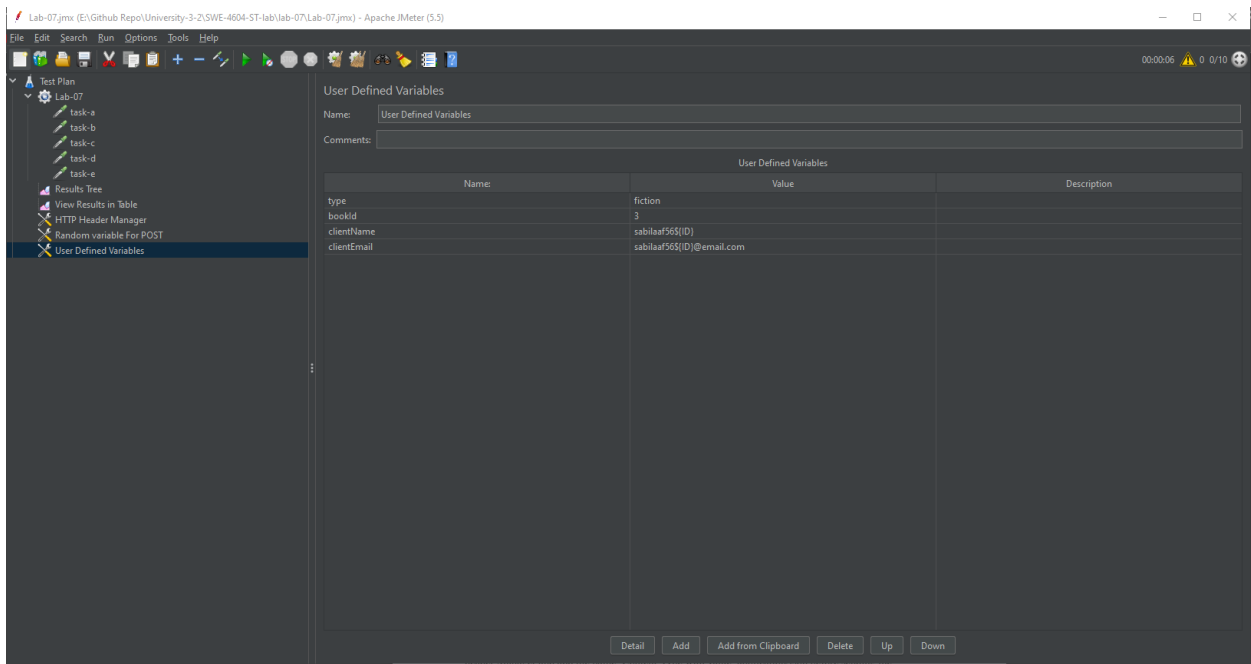
So the test results were OK for task a and b but failed for the rest.

Then I did the POST request testing by adding a random variable config element. I added that random variable to my client name and email to make every POST request body section unique. I also had to set the HTTP header manager.

Basically I ran the POST request once and for each thread but used different information in the body.



Then I used the Config Element for storing the values of “type”, “bookId”, “clientName” and “clientEmail”



Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	21:25:52.844	Lab-07-1-1	task-a	712	✓	226	168	712	376
2	21:25:53.055	Lab-07-1-2	task-a	743	✓	226	168	743	323
3	21:25:53.557	Lab-07-1-1	task-b	337	✓	631	167	337	0
4	21:25:53.245	Lab-07-1-3	task-a	666	✓	226	168	666	328
5	21:25:53.453	Lab-07-1-4	task-a	678	✓	226	168	678	335
6	21:25:53.798	Lab-07-1-2	task-b	334	✓	631	167	334	0
7	21:25:53.894	Lab-07-1-1	task-c	337	✓	497	180	337	0
8	21:25:53.912	Lab-07-1-3	task-b	343	✓	631	167	343	0
9	21:25:53.045	Lab-07-1-5	task-a	639	✓	226	168	639	315
10	21:25:54.132	Lab-07-1-2	task-c	329	✓	497	180	329	0
11	21:25:54.132	Lab-07-1-4	task-b	342	✓	631	167	342	0
12	21:25:53.844	Lab-07-1-6	task-a	685	✓	226	168	685	315
13	21:25:54.231	Lab-07-1-1	task-d	336	✓	374	169	336	0
14	21:25:54.255	Lab-07-1-3	task-c	350	✓	497	180	350	0
15	21:25:54.284	Lab-07-1-5	task-b	324	✓	631	167	324	0
16	21:25:54.044	Lab-07-1-7	task-a	660	✓	226	168	660	317
17	21:25:54.461	Lab-07-1-2	task-d	335	✓	374	169	335	0
18	21:25:54.474	Lab-07-1-4	task-c	346	✓	497	180	346	0
19	21:25:54.529	Lab-07-1-6	task-b	325	✓	631	167	325	0
20	21:25:54.243	Lab-07-1-8	task-a	652	✓	226	168	652	318
21	21:25:54.609	Lab-07-1-5	task-c	326	✓	497	180	326	0
22	21:25:54.605	Lab-07-1-3	task-d	336	✓	374	169	336	0
23	21:25:54.704	Lab-07-1-7	task-b	326	✓	631	167	326	0
24	21:25:54.443	Lab-07-1-9	task-a	665	✓	226	168	665	327
25	21:25:54.820	Lab-07-1-4	task-d	345	✓	374	169	345	0
26	21:25:54.854	Lab-07-1-6	task-c	325	✓	497	180	325	0

☐ Scroll automatically? 
 ☐ Child samples? 
 No of Samples: 50 
 Latest Sample: 1620 
 Average: 717 
 Deviation: 604

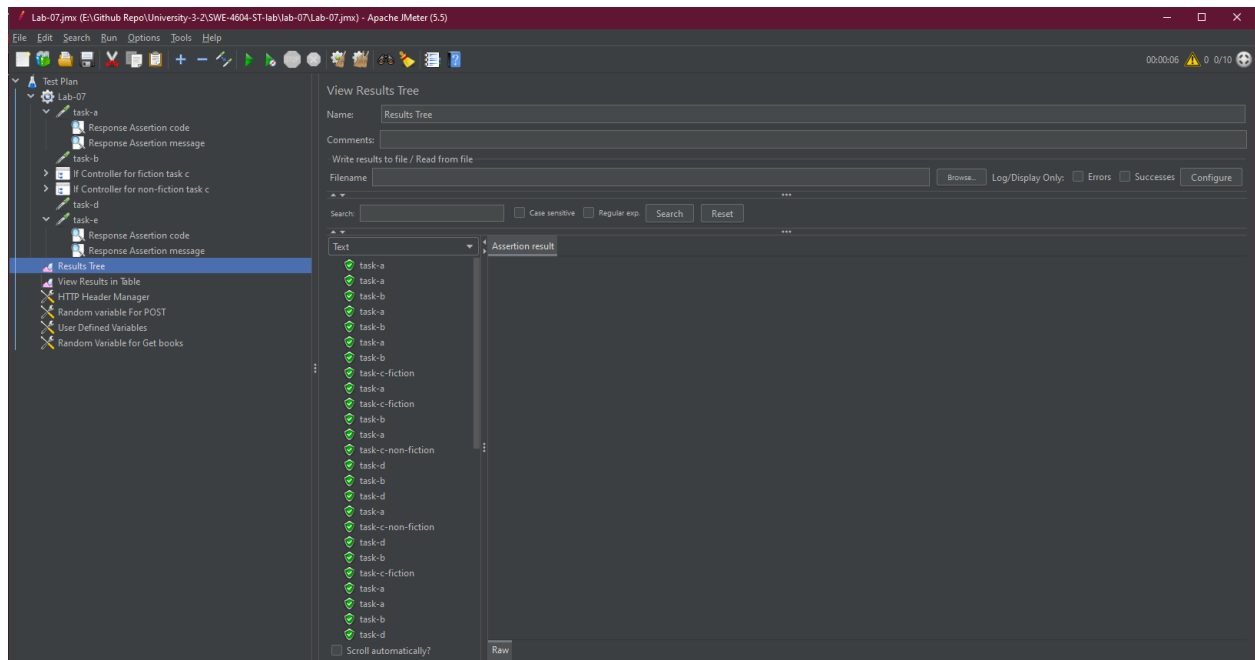
All test cases passed after the config element.

Now I had to choose randomly from the two types of requests for getting specific types of books. I used IF CONTROLLER here. My logic was to select randomly from a variable that has a value of 1 or 2. If the value is 1 I went for fiction and non-fiction otherwise.

Name: If Controller for fiction  
 Comments:  
 ⚠ For performance it is advised to check "Interpret Condition as Variable Expression" and use .jsh or .groovy evaluating to true or false or a variable that contains true or false.  
 Condition (evaluated with javascript): `$(book-type) == 1`

☐ Use status of last sample  
 \$(JMeterThread.last\_sample\_ok) can be used to test if last sampler was successful  
☐ Interpret Condition as Variable Expression?  
☐ Evaluate for all children?

Now finally wrote the assertion part to compare the response code and message after a request was sent.



FINALLY FROM THE RESULT TABLE WE CAN SEE EVERY TEST PASSED.

The screenshot shows the Apache JMeter 5.5 interface with the 'View Results in Table' panel. The table displays 26 samples, all with a status of 'Success'. The columns include Sample #, Start Time, Thread Name, Label, Sample Time(ms), Status, Bytes, Sent Bytes, Latency, and Connect Time(ms).

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	22:42:35.167	Lab-07-1-1	task-a	719	Success	226	168	719	380
2	22:42:35.372	Lab-07-1-2	task-a	652	Success	226	168	652	320
3	22:42:35.886	Lab-07-1-1	task-b	337	Success	631	167	337	0
4	22:42:35.578	Lab-07-1-3	task-a	651	Success	226	168	651	320
5	22:42:36.024	Lab-07-1-2	task-b	332	Success	631	167	332	0
6	22:42:35.767	Lab-07-1-4	task-a	688	Success	226	168	688	333
7	22:42:36.229	Lab-07-1-3	task-b	330	Success	631	167	330	0
8	22:42:36.224	Lab-07-1-1	task-c-fiction	354	Success	497	180	354	0
9	22:42:35.967	Lab-07-1-5	task-a	637	Success	226	168	637	312
10	22:42:36.358	Lab-07-1-2	task-c-fiction	330	Success	497	180	330	0
11	22:42:36.455	Lab-07-1-4	task-b	342	Success	631	167	342	0
12	22:42:36.167	Lab-07-1-6	task-a	692	Success	226	168	692	340
13	22:42:36.561	Lab-07-1-3	task-c-non-fiction	335	Success	348	184	335	0
14	22:42:36.579	Lab-07-1-1	task-d	340	Success	374	169	340	0
15	22:42:36.604	Lab-07-1-5	task-b	322	Success	631	167	322	0
16	22:42:36.689	Lab-07-1-2	task-d	340	Success	374	169	340	0
17	22:42:36.366	Lab-07-1-7	task-a	696	Success	226	168	696	331
18	22:42:36.799	Lab-07-1-4	task-c-non-fiction	367	Success	348	184	367	0
19	22:42:36.896	Lab-07-1-3	task-d	362	Success	374	169	362	0
20	22:42:36.859	Lab-07-1-6	task-b	405	Success	631	167	405	0
21	22:42:36.928	Lab-07-1-5	task-c-fiction	426	Success	497	180	426	0
22	22:42:36.566	Lab-07-1-8	task-a	801	Success	226	168	801	331
23	22:42:36.766	Lab-07-1-9	task-a	700	Success	226	168	700	328
24	22:42:37.062	Lab-07-1-7	task-b	408	Success	631	167	408	0
25	22:42:37.166	Lab-07-1-4	task-d	405	Success	374	169	405	0
26	22:42:36.967	Lab-07-1-10	task-a	770	Success	226	168	770	300