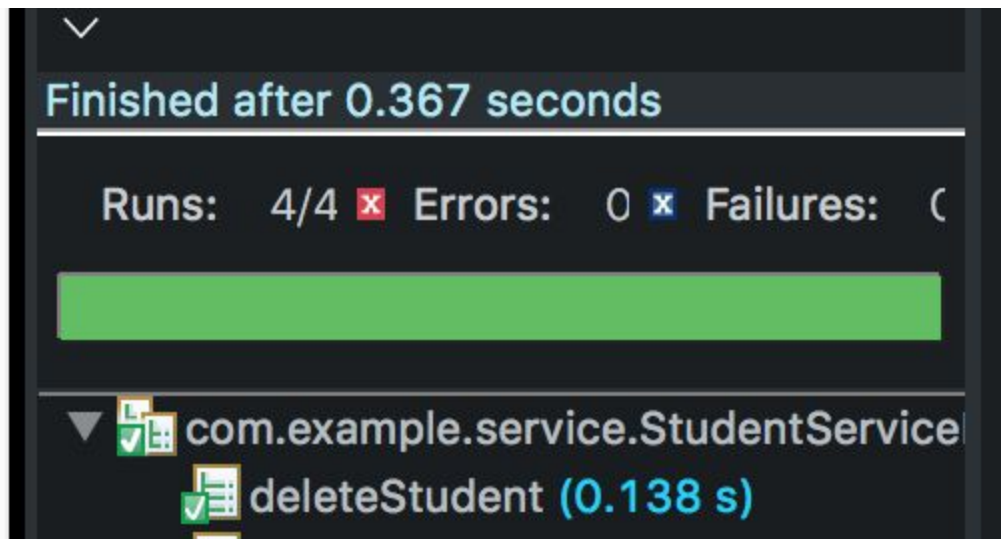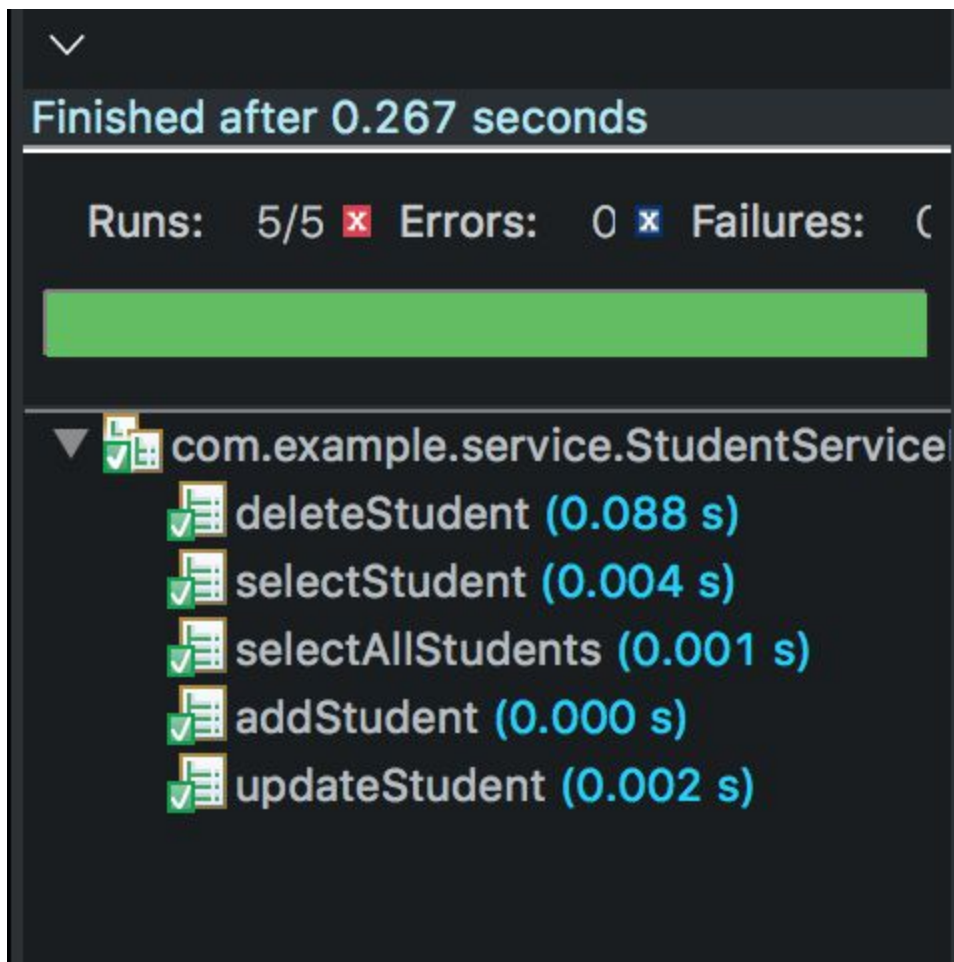Nama : Muhammad Kamal
NPM : 1606954905
Tutorial 06

1. Tambahkan code berikut pada StudentServiceDatabaseTest dan jelaskan apa yang terjadi pada method tersebut berikut dengan hasil testing-nya! (Screenshot hanya opsional dan tidak akan mempengaruhi nilai)
    a. Pada testing ini, melakukan testing dengan menyiapkan object list all dari student, pada code //given, disiapkan object list student model serta return list of student model, dan pada code //when di initiate object yang melakukan panggil select all student.
    b. Pada code //then, dilakukan pengecekan, yaitu not null, cek isi konten apakah sama atau tidak, lalu size dari yang direturn, apakah sama atau tidak. Hasilnya adalah testing pass
2. Pada testing ini, melakukan testing untuk insert add student, hasilnya dilakukan pengecekan apakah hasil return true atau tidak, untuk menentukan apakah berhasil atau tidak melakukan insert data student baru.
3. Testing method delete student

4. Testing method update student

Latihan load testing
1. Jmeter load testing sebelum dipotimasi
   a. jmeter_selectStudentBerhasil
      Menggunakan select student url berikut :
      http://localhost:8080/student/view/1506737823

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Latency	Connect Time(ms)
201	23:53:21.477	Thread Group 1-1	HTTP Request	18	✓	372	18	2
202	23:53:21.495	Thread Group 1-1	HTTP Request	10	✓	372	10	0
203	23:53:21.505	Thread Group 1-1	HTTP Request	6	✓	372	6	0
204	23:53:21.581	Thread Group 1-2	HTTP Request	7	✓	372	7	0
205	23:53:21.588	Thread Group 1-2	HTTP Request	10	✓	372	9	0
206	23:53:21.598	Thread Group 1-2	HTTP Request	8	✓	372	8	0
207	23:53:21.681	Thread Group 1-3	HTTP Request	9	✓	372	9	1
208	23:53:21.690	Thread Group 1-3	HTTP Request	8	✓	372	8	0
209	23:53:21.698	Thread Group 1-3	HTTP Request	8	✓	372	8	0
210	23:53:21.781	Thread Group 1-4	HTTP Request	6	✓	372	6	1
211	23:53:21.788	Thread Group 1-4	HTTP Request	8	✓	372	8	0
212	23:53:21.797	Thread Group 1-4	HTTP Request	8	✓	372	8	0
213	23:53:21.882	Thread Group 1-5	HTTP Request	12	✓	372	12	0
214	23:53:21.895	Thread Group 1-5	HTTP Request	10	✓	372	10	0
215	23:53:21.905	Thread Group 1-5	HTTP Request	9	✓	372	8	0
216	23:53:22.004	Thread Group 1-6	HTTP Request	8	✓	372	8	0
217	23:53:22.013	Thread Group 1-6	HTTP Request	7	✓	372	7	0
218	23:53:22.020	Thread Group 1-6	HTTP Request	6	✓	372	6	0
219	23:53:22.082	Thread Group 1-7	HTTP Request	7	✓	372	6	0
220	23:53:22.089	Thread Group 1-7	HTTP Request	12	✓	372	12	0
221	23:53:22.101	Thread Group 1-7	HTTP Request	6	✓	372	6	0
222	23:53:22.182	Thread Group 1-8	HTTP Request	8	✓	372	8	1
223	23:53:22.190	Thread Group 1-8	HTTP Request	7	✓	372	7	0
224	23:53:22.198	Thread Group 1-8	HTTP Request	8	✓	372	8	0
225	23:53:22.283	Thread Group 1-9	HTTP Request	7	✓	372	6	1
226	23:53:22.290	Thread Group 1-9	HTTP Request	7	✓	372	7	0
227	23:53:22.297	Thread Group 1-9	HTTP Request	7	✓	372	7	0
228	23:53:22.382	Thread Group 1-10	HTTP Request	12	✓	372	12	1
229	23:53:22.395	Thread Group 1-10	HTTP Request	11	✓	372	11	0
230	23:53:22.406	Thread Group 1-10	HTTP Request	10	✓	372	10	0
231	23:53:22.482	Thread Group 1-11	HTTP Request	7	✓	372	7	1
232	23:53:22.489	Thread Group 1-11	HTTP Request	7	✓	372	7	0
233	23:53:22.496	Thread Group 1-11	HTTP Request	6	✓	372	6	0
234	23:53:22.583	Thread Group 1-12	HTTP Request	9	✓	372	9	0
235	23:53:22.592	Thread Group 1-12	HTTP Request	10	✓	372	10	0
236	23:53:22.602	Thread Group 1-12	HTTP Request	16	✓	372	16	0
237	23:53:22.679	Thread Group 1-13	HTTP Request	7	✓	372	7	1
238	23:53:22.687	Thread Group 1-13	HTTP Request	7	✓	372	7	0
239	23:53:22.694	Thread Group 1-13	HTTP Request	7	✓	372	7	0
240	23:53:22.780	Thread Group 1-14	HTTP Request	8	✓	372	8	1
241	23:53:22.789	Thread Group 1-14	HTTP Request	6	✓	372	6	0
242	23:53:22.796	Thread Group 1-14	HTTP Request	8	✓	372	8	0
243	23:53:22.879	Thread Group 1-15	HTTP Request	10	✓	372	10	1
244	23:53:22.889	Thread Group 1-15	HTTP Request	13	✓	372	13	0
245	23:53:22.902	Thread Group 1-15	HTTP Request	11	✓	372	11	0
246	23:53:22.983	Thread Group 1-16	HTTP Request	10	✓	372	10	1
247	23:53:22.993	Thread Group 1-16	HTTP Request	12	✓	372	12	0
248	23:53:23.005	Thread Group 1-16	HTTP Request	9	✓	372	9	0
249	23:53:23.078	Thread Group 1-17	HTTP Request	8	✓	372	8	1
250	23:53:23.086	Thread Group 1-17	HTTP Request	8	✓	372	8	0
251	23:53:23.094	Thread Group 1-17	HTTP Request	10	✓	372	10	0
252	23:53:23.180	Thread Group 1-18	HTTP Request	10	✓	372	10	1
253	23:53:23.190	Thread Group 1-18	HTTP Request	10	✓	372	10	0

Scroll automatically? Child samples?   No of Samples 500   Latest Sample 11   Average 7   Deviation 7

b. jmeter_selectStudentGagal

http://localhost:8080/student/view/150673782 - not found

	501	23:54:54.663	Thread Group 1-1	HTTP Request	11	✓	341	11	
	502	23:54:54.674	Thread Group 1-1	HTTP Request	9	✓	341	9	
	503	23:54:54.683	Thread Group 1-1	HTTP Request	7	✓	341	7	
	504	23:54:54.766	Thread Group 1-2	HTTP Request	6	✓	341	6	
	505	23:54:54.772	Thread Group 1-2	HTTP Request	5	✓	341	5	
	506	23:54:54.778	Thread Group 1-2	HTTP Request	4	✓	341	4	
	507	23:54:54.866	Thread Group 1-3	HTTP Request	7	✓	341	7	
	508	23:54:54.874	Thread Group 1-3	HTTP Request	7	✓	341	7	
	509	23:54:54.881	Thread Group 1-3	HTTP Request	6	✓	341	6	
	510	23:54:54.967	Thread Group 1-4	HTTP Request	6	✓	341	6	
	511	23:54:54.973	Thread Group 1-4	HTTP Request	5	✓	341	5	
	512	23:54:54.979	Thread Group 1-4	HTTP Request	8	✓	341	7	
	513	23:54:55.068	Thread Group 1-5	HTTP Request	6	✓	341	6	
	514	23:54:55.075	Thread Group 1-5	HTTP Request	5	✓	341	5	
	515	23:54:55.081	Thread Group 1-5	HTTP Request	10	✓	341	10	
	516	23:54:55.168	Thread Group 1-6	HTTP Request	7	✓	341	7	
	517	23:54:55.175	Thread Group 1-6	HTTP Request	5	✓	341	5	
	518	23:54:55.180	Thread Group 1-6	HTTP Request	7	✓	341	7	
	519	23:54:55.267	Thread Group 1-7	HTTP Request	7	✓	341	7	
	520	23:54:55.274	Thread Group 1-7	HTTP Request	6	✓	341	6	
	521	23:54:55.280	Thread Group 1-7	HTTP Request	8	✓	341	8	
	522	23:54:55.368	Thread Group 1-8	HTTP Request	7	✓	341	7	
	523	23:54:55.375	Thread Group 1-8	HTTP Request	6	✓	341	6	
	524	23:54:55.381	Thread Group 1-8	HTTP Request	6	✓	341	6	
	525	23:54:55.466	Thread Group 1-9	HTTP Request	6	✓	341	6	
	526	23:54:55.472	Thread Group 1-9	HTTP Request	6	✓	341	6	
	527	23:54:55.478	Thread Group 1-9	HTTP Request	7	✓	341	7	
	528	23:54:55.567	Thread Group 1-10	HTTP Request	7	✓	341	7	
	529	23:54:55.574	Thread Group 1-10	HTTP Request	6	✓	341	6	
	530	23:54:55.580	Thread Group 1-10	HTTP Request	7	✓	341	7	
	531	23:54:55.669	Thread Group 1-11	HTTP Request	9	✓	341	9	
	532	23:54:55.678	Thread Group 1-11	HTTP Request	8	✓	341	8	
	533	23:54:55.686	Thread Group 1-11	HTTP Request	6	✓	341	6	
	534	23:54:55.767	Thread Group 1-12	HTTP Request	5	✓	341	5	
	535	23:54:55.773	Thread Group 1-12	HTTP Request	5	✓	341	5	
	536	23:54:55.778	Thread Group 1-12	HTTP Request	5	✓	341	5	
	537	23:54:55.869	Thread Group 1-13	HTTP Request	6	✓	341	6	
	538	23:54:55.876	Thread Group 1-13	HTTP Request	8	✓	341	8	
	539	23:54:55.885	Thread Group 1-13	HTTP Request	6	✓	341	6	
	540	23:54:55.967	Thread Group 1-14	HTTP Request	6	✓	341	6	
	541	23:54:55.974	Thread Group 1-14	HTTP Request	6	✓	341	5	
	542	23:54:55.980	Thread Group 1-14	HTTP Request	8	✓	341	8	
	543	23:54:56.067	Thread Group 1-15	HTTP Request	8	✓	341	7	
	544	23:54:56.075	Thread Group 1-15	HTTP Request	6	✓	341	6	
	545	23:54:56.081	Thread Group 1-15	HTTP Request	7	✓	341	7	
	546	23:54:56.169	Thread Group 1-16	HTTP Request	7	✓	341	7	
	547	23:54:56.176	Thread Group 1-16	HTTP Request	6	✓	341	6	
	548	23:54:56.182	Thread Group 1-16	HTTP Request	7	✓	341	7	
	549	23:54:56.270	Thread Group 1-17	HTTP Request	6	✓	341	6	

Scroll automatically? Child samples?   No of Samples 800   Latest Sample 9   Average 7   Deviation 6

c. jmeter_selectAllStudents

   Url : http://localhost:8080/student/viewall

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Latency	Connect Time(ms)
62	23:57:03.460	Thread Group 1-31	HTTP Request	387217	⊗	2754	0	1
63	23:57:02.054	Thread Group 1-17	HTTP Request	388622	⊗	2754	0	1
64	23:57:05.562	Thread Group 1-52	HTTP Request	385115	⊗	2754	0	1
65	23:57:01.354	Thread Group 1-10	HTTP Request	389323	⊗	2754	0	1
66	23:57:01.555	Thread Group 1-12	HTTP Request	389122	⊗	2754	0	2
67	23:57:02.857	Thread Group 1-25	HTTP Request	387821	⊗	2754	0	1
68	23:57:09.468	Thread Group 1-91	HTTP Request	381210	⊗	2754	0	1
69	23:57:02.255	Thread Group 1-19	HTTP Request	388423	⊗	2754	0	0
70	23:57:04.059	Thread Group 1-37	HTTP Request	386621	⊗	2754	0	1
71	23:57:00.755	Thread Group 1-4	HTTP Request	389924	⊗	2754	0	1
72	23:57:05.262	Thread Group 1-49	HTTP Request	385419	⊗	2754	0	1
73	23:57:04.158	Thread Group 1-38	HTTP Request	386523	⊗	2754	0	1
74	23:57:08.467	Thread Group 1-81	HTTP Request	382213	⊗	2754	0	0
75	23:57:09.572	Thread Group 1-92	HTTP Request	381109	⊗	2754	0	0
76	23:57:06.263	Thread Group 1-59	HTTP Request	384420	⊗	2754	0	0
77	23:57:10.372	Thread Group 1-100	HTTP Request	380310	⊗	2754	0	0
78	23:57:10.271	Thread Group 1-99	HTTP Request	380412	⊗	2754	0	0
79	23:57:09.767	Thread Group 1-94	HTTP Request	380916	⊗	2754	0	0
80	23:57:05.062	Thread Group 1-47	HTTP Request	385622	⊗	2754	0	0
81	23:57:03.658	Thread Group 1-33	HTTP Request	387027	⊗	2754	0	1
82	23:57:01.657	Thread Group 1-13	HTTP Request	389027	⊗	2754	0	0
83	23:57:02.758	Thread Group 1-24	HTTP Request	387928	⊗	2754	0	1
84	23:57:04.461	Thread Group 1-41	HTTP Request	386227	⊗	2754	0	0
85	23:57:03.259	Thread Group 1-29	HTTP Request	387430	⊗	2754	0	1
86	23:57:07.164	Thread Group 1-68	HTTP Request	383526	⊗	2754	0	0
87	23:57:08.265	Thread Group 1-79	HTTP Request	382424	⊗	2754	0	0
88	23:57:07.368	Thread Group 1-70	HTTP Request	383322	⊗	2754	0	0
89	23:57:06.064	Thread Group 1-57	HTTP Request	384626	⊗	2754	0	1
90	23:57:03.158	Thread Group 1-28	HTTP Request	387533	⊗	2754	0	0
91	23:57:02.555	Thread Group 1-22	HTTP Request	388135	⊗	2754	0	0
92	23:57:08.069	Thread Group 1-77	HTTP Request	382622	⊗	2754	0	0
93	23:57:05.664	Thread Group 1-53	HTTP Request	385028	⊗	2754	0	1
94	23:57:08.366	Thread Group 1-80	HTTP Request	382326	⊗	2754	0	1
95	23:57:02.154	Thread Group 1-18	HTTP Request	388538	⊗	2754	0	1
96	23:57:08.766	Thread Group 1-84	HTTP Request	381926	⊗	2754	0	0
97	23:57:07.566	Thread Group 1-72	HTTP Request	383130	⊗	2754	0	1
98	23:57:04.260	Thread Group 1-39	HTTP Request	386436	⊗	2754	0	0

Setelah optimasi, menambahkan index
1. jmeter_selectStudentBerhasil
Menggunakan select student url berikut : http://localhost:8080/student/view/1506737823

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Latency	Connect Time(ms)
1	00:20:50.332	Thread Group 1-1	HTTP Request	30	✓	372	30	1
2	00:20:50.362	Thread Group 1-1	HTTP Request	5	✓	372	5	0
3	00:20:50.367	Thread Group 1-1	HTTP Request	5	✓	372	5	0
4	00:20:50.436	Thread Group 1-2	HTTP Request	5	✓	372	5	0
5	00:20:50.441	Thread Group 1-2	HTTP Request	5	✓	372	5	0
6	00:20:50.446	Thread Group 1-2	HTTP Request	5	✓	372	5	0
7	00:20:50.532	Thread Group 1-3	HTTP Request	6	✓	372	6	1
8	00:20:50.538	Thread Group 1-3	HTTP Request	5	✓	372	5	0
9	00:20:50.543	Thread Group 1-3	HTTP Request	4	✓	372	4	0
10	00:20:50.637	Thread Group 1-4	HTTP Request	8	✓	372	7	0
11	00:20:50.645	Thread Group 1-4	HTTP Request	7	✓	372	7	0
12	00:20:50.652	Thread Group 1-4	HTTP Request	8	✓	372	8	0
13	00:20:50.733	Thread Group 1-5	HTTP Request	6	✓	372	6	0
14	00:20:50.739	Thread Group 1-5	HTTP Request	5	✓	372	5	0
15	00:20:50.744	Thread Group 1-5	HTTP Request	5	✓	372	5	0
16	00:20:50.837	Thread Group 1-6	HTTP Request	8	✓	372	8	1
17	00:20:50.846	Thread Group 1-6	HTTP Request	5	✓	372	5	0
18	00:20:50.852	Thread Group 1-6	HTTP Request	4	✓	372	4	0
19	00:20:50.936	Thread Group 1-7	HTTP Request	5	✓	372	5	0
20	00:20:50.941	Thread Group 1-7	HTTP Request	5	✓	372	5	0
21	00:20:50.946	Thread Group 1-7	HTTP Request	7	✓	372	7	0
22	00:20:51.037	Thread Group 1-8	HTTP Request	6	✓	372	6	1
23	00:20:51.044	Thread Group 1-8	HTTP Request	8	✓	372	8	0
24	00:20:51.052	Thread Group 1-8	HTTP Request	7	✓	372	7	0
25	00:20:51.137	Thread Group 1-9	HTTP Request	5	✓	372	5	0
26	00:20:51.142	Thread Group 1-9	HTTP Request	5	✓	372	5	0
27	00:20:51.147	Thread Group 1-9	HTTP Request	8	✓	372	8	0
28	00:20:51.236	Thread Group 1-10	HTTP Request	7	✓	372	7	0
29	00:20:51.243	Thread Group 1-10	HTTP Request	6	✓	372	6	0
30	00:20:51.250	Thread Group 1-10	HTTP Request	6	✓	372	6	0
31	00:20:51.334	Thread Group 1-11	HTTP Request	6	✓	372	6	0
32	00:20:51.340	Thread Group 1-11	HTTP Request	7	✓	372	7	0
33	00:20:51.347	Thread Group 1-11	HTTP Request	6	✓	372	6	0
34	00:20:51.434	Thread Group 1-12	HTTP Request	5	✓	372	5	1
35	00:20:51.439	Thread Group 1-12	HTTP Request	6	✓	372	6	0
36	00:20:51.445	Thread Group 1-12	HTTP Request	6	✓	372	6	0
37	00:20:51.536	Thread Group 1-13	HTTP Request	5	✓	372	5	0
38	00:20:51.542	Thread Group 1-13	HTTP Request	4	✓	372	4	0
39	00:20:51.547	Thread Group 1-13	HTTP Request	6	✓	372	6	0

oll automatically? Child samples?   No of Samples 300   Latest Sample 7   Average 5   Deviation 1

2. jmeter_selectStudentGagal
http://localhost:8080/student/view/150673782 - not found

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Latency	Connect Time(ms)
1	00:20:03.867	Thread Group 1-6	HTTP Request	213	✓	341	212	0
2	00:20:03.666	Thread Group 1-4	HTTP Request	414	✓	341	410	1
3	00:20:03.366	Thread Group 1-1	HTTP Request	714	✓	341	712	0
4	00:20:03.766	Thread Group 1-5	HTTP Request	314	✓	341	312	1
5	00:20:04.067	Thread Group 1-8	HTTP Request	14	✓	341	14	1
6	00:20:03.470	Thread Group 1-2	HTTP Request	611	✓	341	611	0
7	00:20:03.968	Thread Group 1-7	HTTP Request	114	✓	341	113	0
8	00:20:03.571	Thread Group 1-3	HTTP Request	512	✓	341	512	0
9	00:20:04.081	Thread Group 1-8	HTTP Request	10	✓	341	10	0
10	00:20:04.082	Thread Group 1-7	HTTP Request	10	✓	341	10	0
11	00:20:04.080	Thread Group 1-6	HTTP Request	12	✓	341	11	0
12	00:20:04.080	Thread Group 1-4	HTTP Request	12	✓	341	12	0
13	00:20:04.080	Thread Group 1-1	HTTP Request	16	✓	341	16	0
14	00:20:04.081	Thread Group 1-2	HTTP Request	19	✓	341	19	0
15	00:20:04.080	Thread Group 1-5	HTTP Request	21	✓	341	20	0
16	00:20:04.083	Thread Group 1-3	HTTP Request	22	✓	341	22	0
17	00:20:04.092	Thread Group 1-7	HTTP Request	15	✓	341	15	0
18	00:20:04.092	Thread Group 1-8	HTTP Request	15	✓	341	15	0
19	00:20:04.092	Thread Group 1-6	HTTP Request	20	✓	341	20	0
20	00:20:04.097	Thread Group 1-1	HTTP Request	15	✓	341	15	0
21	00:20:04.100	Thread Group 1-2	HTTP Request	12	✓	341	12	0
22	00:20:04.092	Thread Group 1-4	HTTP Request	21	✓	341	20	0
23	00:20:04.101	Thread Group 1-5	HTTP Request	12	✓	341	12	0
24	00:20:04.105	Thread Group 1-3	HTTP Request	10	✓	341	10	0
25	00:20:04.170	Thread Group 1-9	HTTP Request	9	✓	341	9	2
26	00:20:04.179	Thread Group 1-9	HTTP Request	16	✓	341	16	0
27	00:20:04.196	Thread Group 1-9	HTTP Request	10	✓	341	10	0
28	00:20:04.271	Thread Group 1-10	HTTP Request	8	✓	341	8	1
29	00:20:04.279	Thread Group 1-10	HTTP Request	7	✓	341	7	0
30	00:20:04.286	Thread Group 1-10	HTTP Request	6	✓	341	6	0
31	00:20:04.367	Thread Group 1-11	HTTP Request	7	✓	341	7	0
32	00:20:04.375	Thread Group 1-11	HTTP Request	10	✓	341	10	0
33	00:20:04.386	Thread Group 1-11	HTTP Request	10	✓	341	10	0
34	00:20:04.470	Thread Group 1-12	HTTP Request	7	✓	341	7	0
35	00:20:04.477	Thread Group 1-12	HTTP Request	8	✓	341	8	0
36	00:20:04.485	Thread Group 1-12	HTTP Request	6	✓	341	6	0
37	00:20:04.567	Thread Group 1-13	HTTP Request	8	✓	341	8	1
38	00:20:04.575	Thread Group 1-13	HTTP Request	7	✓	341	7	0
39	00:20:04.582	Thread Group 1-13	HTTP Request	8	✓	341	8	0

Scroll automatically? Child samples?   No of Samples 300   Latest Sample 6   Average 16   Deviation 68

3. jmeter_selectAllStudents
Setelah di index, masih tetap gagal, ada kemungkinan akses yang masih timeout - muncul error 'java.lang.OutOfMemoryError: GC overhead limit exceeded
' pada eclipse console, meskipun setelah dilakukan index pada field npm di database

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Latency	Connect Time(ms)
1	00:09:19.512	Thread Group 1-51	HTTP Request	285215	✕	2754	0	1
2	00:09:17.009	Thread Group 1-26	HTTP Request	287661	✕	2754	0	0
3	00:09:16.708	Thread Group 1-23	HTTP Request	288016	✕	2754	0	0
4	00:09:19.615	Thread Group 1-52	HTTP Request	285058	✕	2754	0	1
5	00:09:21.215	Thread Group 1-68	HTTP Request	283453	✕	2754	0	1
6	00:09:17.713	Thread Group 1-33	HTTP Request	286958	✕	2754	0	1
7	00:09:23.218	Thread Group 1-88	HTTP Request	281512	✕	2754	0	2
8	00:09:21.617	Thread Group 1-72	HTTP Request	283052	✕	2754	0	1
9	00:09:19.814	Thread Group 1-54	HTTP Request	284919	✕	2754	0	1
10	00:09:24.322	Thread Group 1-99	HTTP Request	280445	✕	2754	0	2
11	00:09:22.621	Thread Group 1-82	HTTP Request	282148	✕	2754	0	0
12	00:09:22.218	Thread Group 1-78	HTTP Request	282553	✕	2754	0	1
13	00:09:15.510	Thread Group 1-11	HTTP Request	289262	✕	2754	0	1
14	00:09:18.711	Thread Group 1-43	HTTP Request	286062	✕	2754	0	1
15	00:09:20.113	Thread Group 1-57	HTTP Request	284661	✕	2754	0	1
16	00:09:21.116	Thread Group 1-67	HTTP Request	283660	✕	2754	0	0
17	00:09:21.815	Thread Group 1-74	HTTP Request	282964	✕	2754	0	1
18	00:09:18.111	Thread Group 1-37	HTTP Request	286669	✕	2754	0	1
19	00:09:18.013	Thread Group 1-36	HTTP Request	286774	✕	2754	0	1
20	00:09:16.410	Thread Group 1-20	HTTP Request	288377	✕	2754	0	1
21	00:09:18.911	Thread Group 1-45	HTTP Request	285877	✕	2754	0	1
22	00:09:22.420	Thread Group 1-80	HTTP Request	282368	✕	2754	0	1
23	00:09:15.910	Thread Group 1-15	HTTP Request	288879	✕	2754	0	1
24	00:09:24.022	Thread Group 1-96	HTTP Request	280768	✕	2754	0	1
25	00:09:17.110	Thread Group 1-27	HTTP Request	287681	✕	2754	0	1
26	00:09:16.914	Thread Group 1-25	HTTP Request	287878	✕	2754	0	0
27	00:09:19.312	Thread Group 1-49	HTTP Request	285481	✕	2754	0	1
28	00:09:24.223	Thread Group 1-98	HTTP Request	280571	✕	2754	0	2
29	00:09:17.911	Thread Group 1-35	HTTP Request	286883	✕	2754	0	1
30	00:09:21.716	Thread Group 1-73	HTTP Request	283079	✕	2754	0	0
31	00:09:19.712	Thread Group 1-53	HTTP Request	285084	✕	2754	0	1
32	00:09:15.311	Thread Group 1-9	HTTP Request	289486	✕	2754	0	1
33	00:09:23.818	Thread Group 1-94	HTTP Request	280980	✕	2754	0	2
34	00:09:19.916	Thread Group 1-55	HTTP Request	284882	✕	2754	0	1
35	00:09:22.318	Thread Group 1-79	HTTP Request	282483	✕	2754	0	1
36	00:09:14.806	Thread Group 1-4	HTTP Request	289995	✕	2754	0	1
37	00:09:18.211	Thread Group 1-38	HTTP Request	286590	✕	2754	0	0
38	00:09:20.614	Thread Group 1-62	HTTP Request	284188	✕	2754	0	0
39	00:09:23.520	Thread Group 1-91	HTTP Request	281282	✕	2754	0	2

Scroll automatically? Child samples?   No of Samples 100   Latest Sample 289412   Average 285329   Deviation 2892

Dari tutorial ini, dapat dipelajari bagaimana melakukan proses unit testing dan load testing terhadap aplikasi yang kita bangun.