

# Advanced Databases

## INZ000109P

### Project

#### Assignment 7 - Indexes (dev.)

Group: A2

Furkan ÖCALAN 257638

Mustafa Tayyip BAYRAM 257639

#### EXECUTION TIME COMPARISON

Before Creating Related Indexes

Try\Query	1	2	3	4 (UPDATE)	5 (UPDATE)	6 (UPDATE)	7 (DELETE)
1	1.879	4.676	1.113	0.697	4.181	4.778	0.118
2	1.920	3.412	1.809	1.024	2.197	4.275	
3	1.820	3.817	1.209	2.347	2.796	4.279	
4	2.123	3.661	1.192	1.038	1.205	4.336	
5	1.856	3.614	1.457	0.860	1.635	4.302	
6	1.892	3.474	1.201	1.399	1.882	4.665	
7	2.312	3.955	1.627	1.987	2.146	4.693	
8	1.853	3.656	1.208	0.966	1.210	4.311	
9	1.849	3.591	1.328	0.534	2.240	5.534	
10	2.278	3.898	1.399	0.833	1.905	5.534	
MAX	2.123	4.676	1.809	1.987	4.181	5.534	
MIN	1.820	3.474	1.113	0.534	1.210	4.275	
Avg	1.880	3.814	1.354	1.168	2.139	4.671	

## After Creating Related Indexes

Try\Query	1	2	3	4 (UPDATE)	5 (UPDATE)	6 (UPDATE)	7 (DELETE)
1	0.410	1.300	0.543	0.657	2.782	20.240	0.118
2	0.424	1.411	0.571	0.440	0.986	20.348	
3	0.404	1.511	0.525	0.446	0.971	20.018	
4	0.408	1.304	0.500	1.042	2.177	19.936	
5	0.404	0.433	0.505	0.451	0.968	20.262	
6	0.411	1.462	0.584	0.439	0.980	20.312	
7	0.425	2.241	0.560	0.442	1.417	19.804	
8	0.408	1.879	0.638	0.872	0.973	19.839	
9	0.404	1.537	0.558	0.765	0.973	20.227	
10	0.408	1.397	0.508	0.468	1.905	20.022	
MAX	0.425	2.241	0.638	1.042	2.782	20.348	
MIN	0.404	0.433	0.5	0.442	0.968	19.804	
Avg	0.410	1.447	0.549	0.726	1.413	20.1	