

## Data Tables

Strings	1000	10000	50000	100000
Trial 1 (sec)	0.005515664	0.21403366	4.25186397	16.61895923
Trial 2 (sec)	0.00557779	0.217041806	4.220058271	16.54571813
Trial 3 (sec)	0.003770231	0.222223654	4.250388101	16.56227759
Trial 4 (sec)	0.004386805	0.224038777	4.223536826	16.54689264
Trial 5 (sec)	0.004044139	0.218043578	4.236603356	16.57041371
Average (sec)	0.0046589258	0.216038619	4.244233663	16.59468647

StringBuilder	1,000	10,000	50,000	100,000
Trial 1 (sec)	4.37E-04	0.001452414	0.005769903	0.007460132
Trial 2 (sec)	5.44E-04	0.001515445	0.004796691	0.006155434
Trial 3 (sec)	5.98E-04	0.00134419	0.004001311	0.006363838
Trial 4 (sec)	5.64E-04	0.005005734	0.004189622	0.006617015
Trial 5 (sec)	6.87E-04	0.00159347	0.005163933	0.007618048
Average (sec)	5.62E-04	0.001522942	0.005466918	0.00753909

Arrays	1000	10000	50000	100000
Trial 1 (sec)	2.59E-05	1.64E-04	0.001052259	0.002348099
Trial 2 (sec)	1.81E-05	2.17E-04	9.88E-04	0.001651949
Trial 3 (sec)	1.89E-05	1.55E-04	0.00105329	0.002135053
Trial 4 (sec)	2.60E-05	1.57E-04	7.67E-04	0.001830078
Trial 5 (sec)	1.35E-05	1.55E-04	8.39E-04	0.001829175
Average (sec)	1.97E-05	1.60E-04	0.000945846	0.002088637

Retrieval	1000	10000	50000	100000
Trial 1 (sec)	2.83E-05	2.53E-04	9.77E-04	0.001758138
Trial 2 (sec)	3.27E-05	2.53E-04	0.002149801	0.001596615
Trial 3 (sec)	2.83E-05	2.22E-04	0.0010975	0.001589739
Trial 4 (sec)	2.23E-05	1.97E-04	8.00E-04	0.002305787
Trial 5 (sec)	2.07E-05	1.77E-04	8.79E-04	4.55E-04
Average (sec)	2.45E-05	2.15E-04	9.28E-04	0.001106618

LinkedList	1000	10000	50000	100000
Trial 1 (sec)	9.87E-04	0.002368096	0.006965537	0.010163473
Trial 2 (sec)	7.31E-04	0.00192124	0.005653922	0.009276882
Trial 3 (sec)	0.001420599	0.002103398	0.006114368	0.011039815
Trial 4 (sec)	6.81E-04	0.001923274	0.005074473	0.009219791
Trial 5 (sec)	9.43E-04	0.00238666	0.006023839	0.009764311
Average (sec)	9.65E-04	0.002377378	0.006494688	0.009963892

Retrieval	1000	10000	50000	100000
Trial 1 (sec)	0.003435187	0.044893514	0.961295698	3.916725259
Trial 2 (sec)	0.006095748	0.045799799	0.962304188	3.915288319
Trial 3 (sec)	0.00300463	0.045693563	0.962915797	3.918391053
Trial 4 (sec)	0.001397201	0.046309493	0.960747314	3.910543975
Trial 5 (sec)	0.00188135	0.048878146	0.96540817	3.947785369
Average (sec)	0.003435187	0.04688583	0.963351934	3.932255314

SinglyLinked	1000	10000	50000	100000
Trial 1 (sec)	0.003197781	0.006497005	0.064915726	0.012318161
Trial 2 (sec)	0.00213545	0.003182601	0.009058892	0.011211435
Trial 3 (sec)	0.002264073	0.003429375	0.006343051	0.010437639
Trial 4 (sec)	0.001963634	0.003927828	0.006588255	0.010969307
Trial 5 (sec)	0.002058019	0.010517666	0.006751949	0.009620109
Average (sec)	0.0026279	0.0085073355	0.0358338375	0.010969135

Retrieval	1000	10000	50000	100000
Trial 1 (sec)	0.003966008	0.083035533	1.948667381	20.01881069
Trial 2 (sec)	0.004941254	0.086618067	2.039727523	19.92397194
Trial 3 (sec)	0.003632202	0.082392225	2.351005061	20.23683238
Trial 4 (sec)	0.003205363	0.080669026	2.154928001	19.83885692
Trial 5 (sec)	0.002865163	0.081082552	2.1527022	20.1010721
Average (sec)	0.0034155855	0.0820590425	2.050684791	20.05994139