CSCI640 Inquiry Based Project

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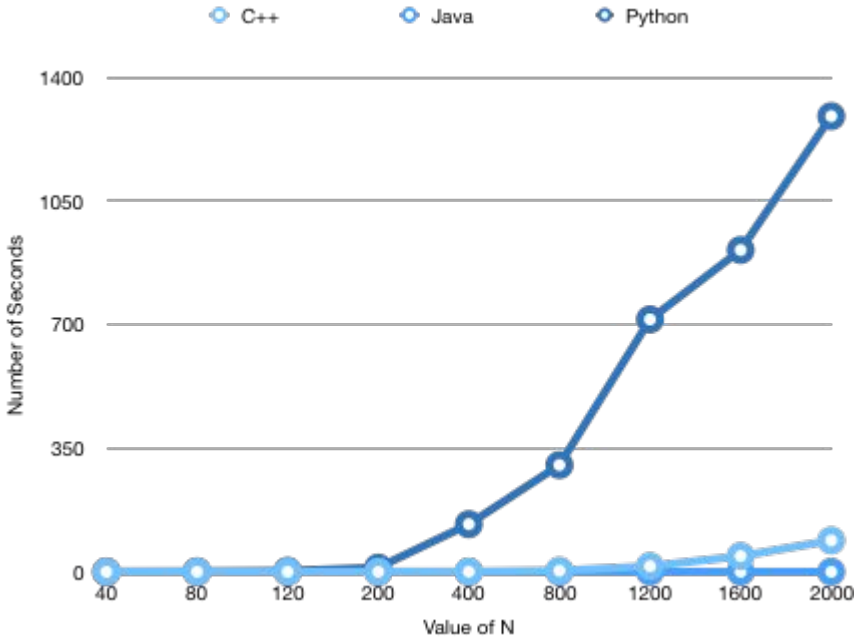
Performance of threads in C++,Java and Python

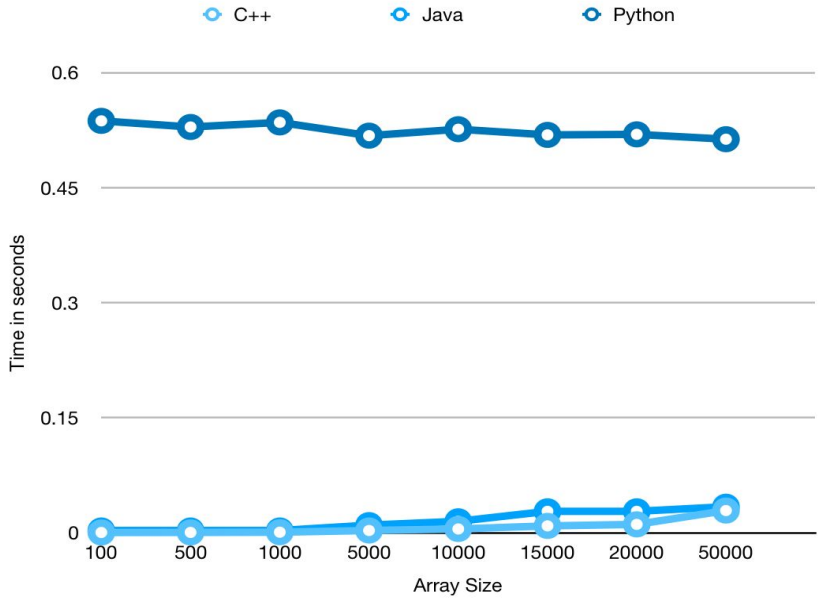
Matrix Multiplication(No of threads : 4)

	C++	Java	Python
40	0.007	0.005	0.136
80	0.003	0.004	0.808
120	0.008	0.004	2.53
200	0.039	0.005	11.82
400	0.35	0.004	134.75
800	3.27	0.002	302.23
1200	15.85	0.004	714.54
1600	44.42	0.004	911.07
2000	88.74	0.005	1289.98



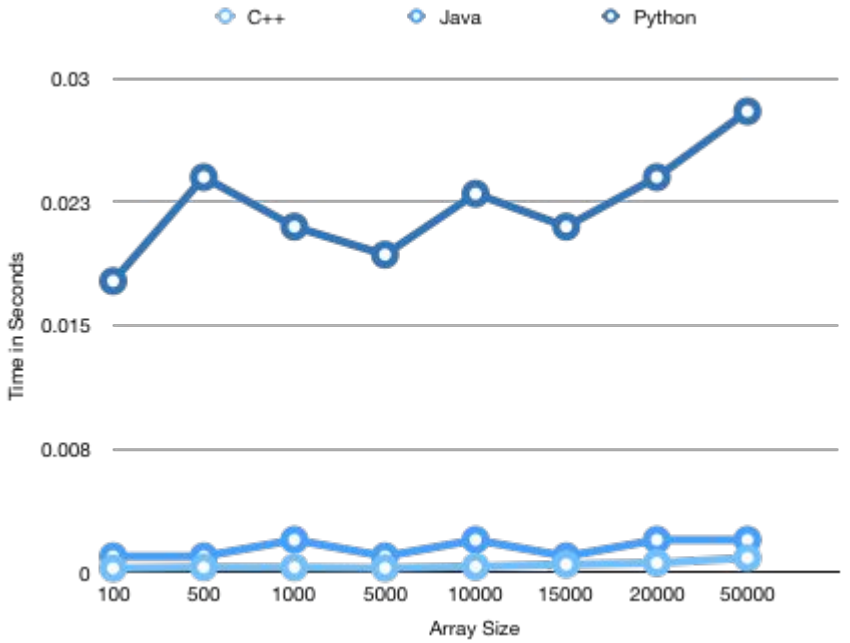
Merge Sort(No of threads: 4)

	C++	Java	Python
100	0.00043	0.003	0.537
500	0.0005	0.003	0.529
1000	0.0008	0.003	0.535
5000	0.003	0.010	0.5277
10000	0.005	0.015	0.5261
15000	0.009	0.028	0.5187
20000	0.011	0.028	0.5194
50000	0.029	0.034	0.5131



Array Sum(No of threads:5)

	C++	Java	Python
100	0.000272	0.001	0.0177
500	0.000333	0.001	0.024
1000	0.000326	0.002	0.0210
5000	0.000285	0.001	0.0193
10000	0.000371	0.002	0.023
15000	0.000509	0.001	0.021
20000	0.00060	0.002	0.024
50000	0.00090	0.002	0.028



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Thanks!!!!