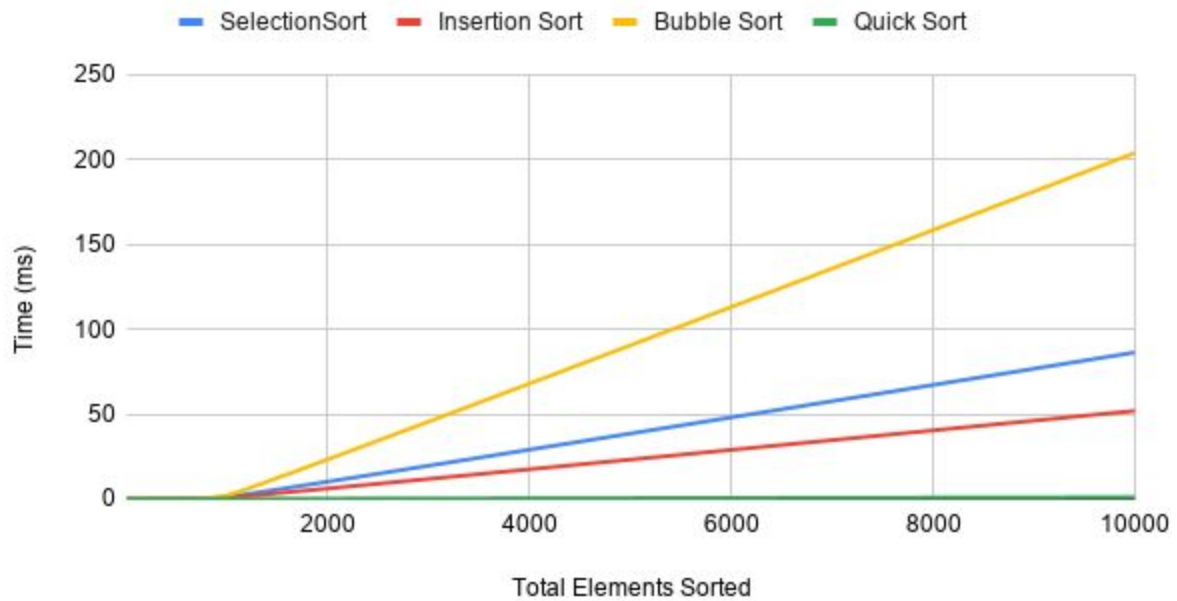
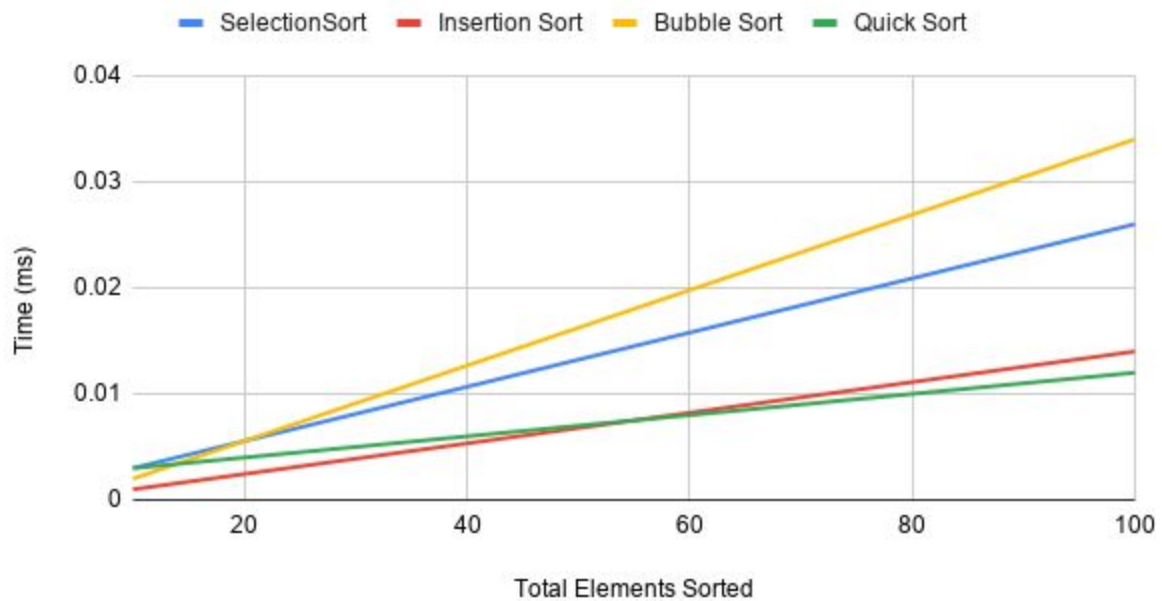


Different Algorithms Sorting Times



(It's difficult to see run time of smaller elements so the top one is of 10-10000 elements and the bottom is of elements 10-100 mainly for visibility)

Different Algorithms Sorting Times



Total Elements	SelectionSort	Insertion Sort	Bubble Sort	Quick Sort
10	0.003	0.001	0.002	0.003
100	0.026	0.014	0.034	0.012
1000	1.219	0.77	2.044	0.115
10000	86.343	51.92	203.895	1.042

For the most part, elements 1-100 had very minimal differences between each of their run times. Around 1000 items, small variations can be seen. Until 10000 Elements, significant differences could be seen, and quicksort remained the fastest by far. Bubble sort also slowed down tremendously, becoming the slowest of them all when processing over 1000 elements. In conclusion, performance impacts are negligible until you begin processing large volumes of data, therefore, making circumstances very important for each of these algorithms application