Submitted by: Asmahan Ibrahim Yosef Albetar
1220165

Run time for sorting algorithms
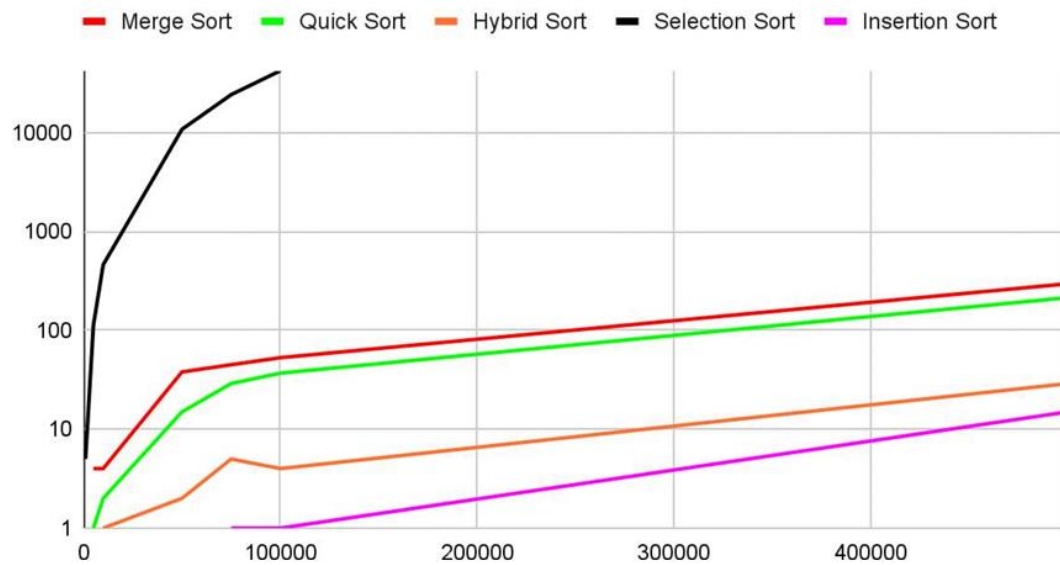
Results for unsorted data

Sorting Algorithms /Input (int)	1000	5000	10000	50000	75000	100000	500000
Selection	4ms	103ms	433ms	10941ms	25188ms	43038ms	-
Insertion	8ms	109ms	431ms	10670ms	24875ms	43839ms	1310482ms
Merge	0ms	3ms	7ms	36ms	50ms	68ms	405ms
Quick	0ms	1ms	3ms	20ms	45ms	42ms	260ms
Hybrid	0ms	0ms	1ms	2ms	4ms	4ms	28ms

Results for sorted data

Sorting Algorithm/Input (int)	1000	5000	10000	50000	75000	100000	500000
Selection	5ms	113ms	463ms	10833ms	24306ms	42508ms	-
Insertion	0ms	0ms	0ms	0ms	1ms	1ms	15ms
Merge	0ms	4ms	4ms	38ms	45ms	53ms	297ms
Quick	0ms	1ms	2ms	15ms	29ms	37ms	215ms
Hybrid	0ms	0ms	1ms	2ms	5ms	4ms	29ms

Comparison of ALL (sorted data)

■ Merge Sort ■ Quick Sort ■ Hybrid Sort ■ Selection Sort ■ Insertion Sort

Comparison of ALL (unsorted data)

■ Merge Sort ■ Quick Sort ■ Hybrid Sort ■ Selection Sort ■ Insertion Sort