Table:

Size of Array	500	1000	10000	25000	50000	100000
Insertion Sort $O(n^2)$	0.0152 ms	0.104 ms	6.639 ms	41.669 ms	197.574 ms	775.659 ms
Selection Sort $O(n^2)$	0.017 ms	0.105 ms	7.429 ms	47.654 ms	213.468 ms	839.549 ms
Heap Sort O(nlogn)	0.0029 ms	0.008 ms	0.091 ms	0.27 ms	0.904 ms	1.204 ms
Merge Sort O(nlogn)	0.001 ms	0.0049 ms	0.041 ms	0.118 ms	0.375 ms	0.536 ms
Quick Sort O(nlogn)	0.002 ms	0.004 ms	0.048 ms	0.149 ms	0.331 ms	0.561 ms

Graph:

Graph of sorting
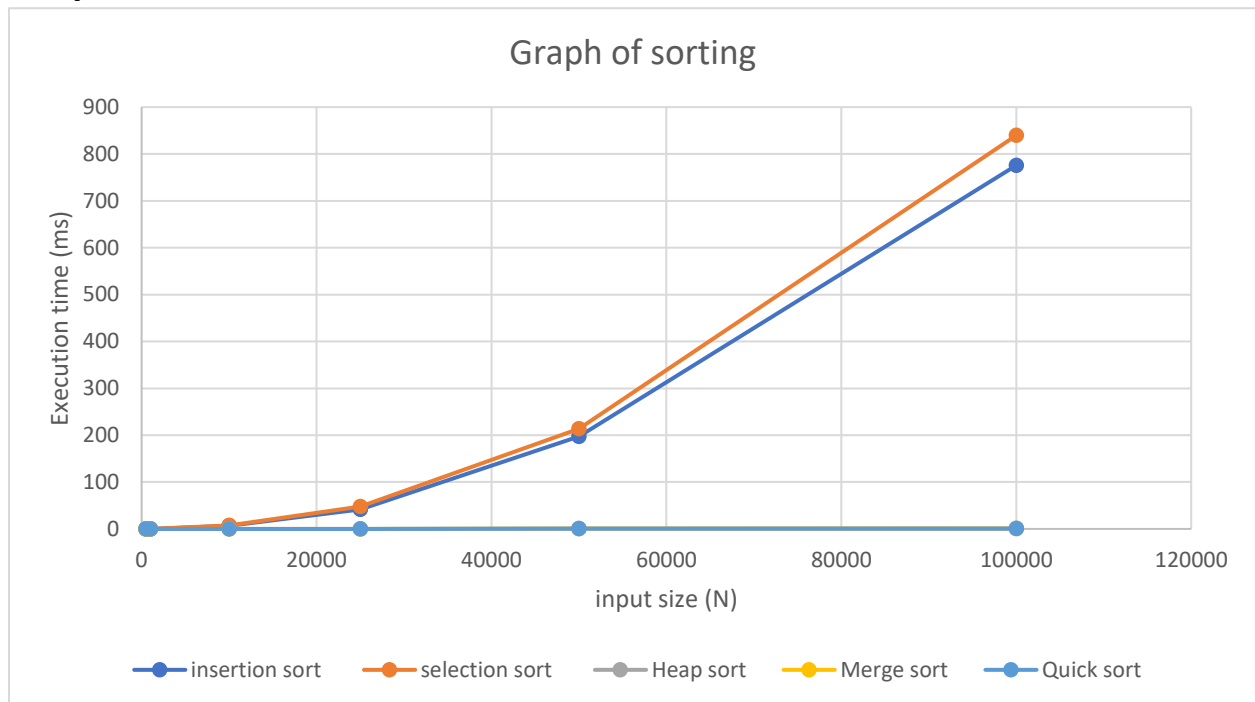
Graph for Sorting Techniques with Complexity O(nlogn):

Sortings with Complexity O(nlogn)