

# PERFORMANCE BENCHMARKS

THE FOLLOWING SHOWS THE AVERAGE EXECUTION TIMES FOR SORTING ALGORITHMS WITH VARIOUS INPUTS, MEASUREMENTS ARE TAKEN ON A LENOVO LAPTOP WITH THE FOLLOWING SPECIFICATIONS:

1. PROCESSOR : 11th Gen Intel(R) Core(TM) i5-1135G7 @ 2.40GHz 2.42 GHz
2. RAM : 8.00 GB
3. STORAGE : WINDOWS- SSD
4. SYSTEM TYPE : 64-bit operating system, x64-based processor
5. MODEL : LENOVO I5

Array Size	Insertion Sort (s)	Selection Sort (s)	Bubble Sort (s)
5	0.00000381	0.00000358	0.00000405
10	0.00000739	0.00000763	0.00000811
20	0.00001788	0.00002241	0.00002408
100	0.00019646	0.00025535	0.00032449
500	0.00460196	0.00656366	0.00832200
1000	0.01891661	0.02722692	0.034766834
5000	0.47258925	0.73083758	0.89267111
10000	1.90500355	2.90035295	3.60502172