

# Homework # 2, Analysis

sort type	array type	array size	Average RunTime, 1st Run	Avrge RunTime, 5th Run	Avrge RunTime, 10th Run
BubbleSort	Equal	ArraySize: 1000	--- 77402.0	--- 436355.1	--- 439476.0
	Random	ArraySize: 1000	--- 1.47413216E7	--- 1.08549863E7	--- 8762721.6
	Increasing	ArraySize: 1000	--- 4585.6	--- 4747.9	--- 13269.5
	Decreasing	ArraySize: 1000	--- 1.06921319E7	--- 5751767.7	--- 4800545.7
	Increasing and Random	ArraySize: 1000	--- 1.19158527E7	--- 4231517.8	--- 3120747.1
SelectionSort	Equal	ArraySize: 1000	--- 3609085.1	--- 6172946.3	--- 2991512.4
	Random	ArraySize: 1000	--- 4756507.6	--- 3116831.1	--- 2447163.8
	Increasing	ArraySize: 1000	--- 1869641.8	--- 1208246.7	--- 1130374.1
	Decreasing	ArraySize: 1000	--- 3797416.9	--- 2161819.1	--- 1597824.9
	Increasing and Random	ArraySize: 1000	--- 1606772.6	--- 4255150.8	--- 1298816.9
InsertionSort	Equal	ArraySize: 1000	--- 122762.9	--- 917644.9	--- 148610.2
	Random	ArraySize: 1000	--- 5218839.9	--- 5347886.0	--- 4128172.6
	Increasing	ArraySize: 1000	--- 4071.9	--- 3676.3	--- 41123.9
	Decreasing	ArraySize: 1000	--- 1.13629121E7	--- 4787650.8	--- 5522085.5
	Increasing and Random	ArraySize: 1000	--- 1.13629121E7	--- 1765756.2	--- 404439.8