Data Structures 2 Lab 1
Heap Sort

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Sorting Techniques

Input Size:	Heap	Merge	Quick	Insertion	Bubble	Selection	Fastest	Slowest
100	*287626*	3369084	91350	107951	193304	131497	**Quick**	**Merge**
1000	*472086*	1335891	1498390	7444667	10340317	4403086	**Heap**	**Bubble**
10000	*3084775*	5550371	3295891	37540238	239831598	53851289	**Heap**	**Bubble**
100000	*37254187*	46801391	26814770	1691437477	17327762757	2708827050	**Quick**	**Bubble**
1000000	*224331751*	343568114	341874980	22044175427	15459442760	27472506514	**Heap**	**Bubble**

Time in nano seconds

Legend:
- Heap Sort
- Merge Sort
- Quick Sort
- Insertion Sort
- Bubble Sort
- Selection Sort

Y-axis: 10000, 100000, 1000000, 10000000, 100000000, 1000000000, 10000000000

X-axis: 100, 1000, 10000, 100000