Weekly Homework 3 Report

Set 2:

Randomized Input

Legend:
- Bubble Sort
- Counting Sort
- Flash Sort
- Heap Sort
- Insertion Sort
- Merge Sort
- Quick Sort
- Radix Sort
- Selection Sort
- Shaker Sort
- Shell Sort

X-axis: 10000, 30000, 50000, 100000

Y-axis: 0, 5000, 10000, 15000, 20000, 25000, 30000, 35000, 40000, 45000

Sorted Input

20000				
18000				
16000				
14000				
12000				
10000				
8000				
6000				
4000				
2000				
0				
	10000	30000	50000	100000

— Bubble Sort
— Counting Sort
— Flash Sort
— Heap Sort
— Insertion Sort
— Merge Sort
— Quick Sort
— Radix Sort
— Selection Sort
— Shaker Sort
— Shell Sort

Nearly Sorted Input

Bubble Sort	
Counting Sort	
Flash Sort	
Heap Sort	
Insertion Sort	
Merge Sort	
Quick Sort	
Radix Sort	
Selection Sort	
Shaker Sort	
Shell Sort	

Reverse Sorted Input

Legend:
- Bubble Sort
- Counting Sort
- Flash Sort
- Heap Sort
- Insertion Sort
- Merge Sort
- Quick Sort
- Radix Sort
- Selection Sort
- Shaker Sort
- Shell Sort

Randomized Input

Sorted Input

Nearly Sorted Input

Legend: 10000, 30000, 50000, 100000

Categories: Bubble Sort, Counting Sort, Flash Sort, Heap Sort, Insertion Sort, Merge Sort, Quick Sort, Radix Sort, Selection Sort, Shaker Sort, Shell Sort

Reverse Sorted Input