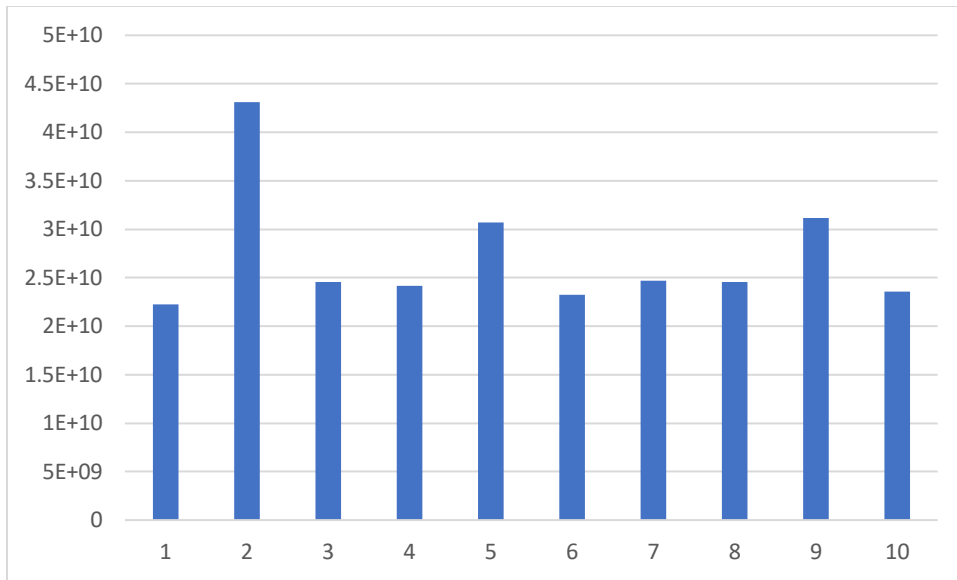
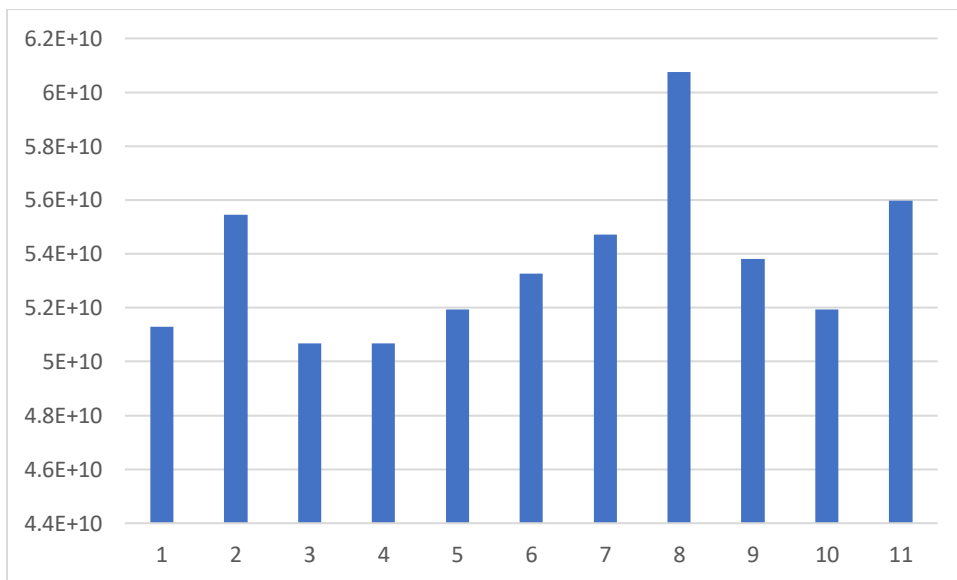


### Insertion Sort:



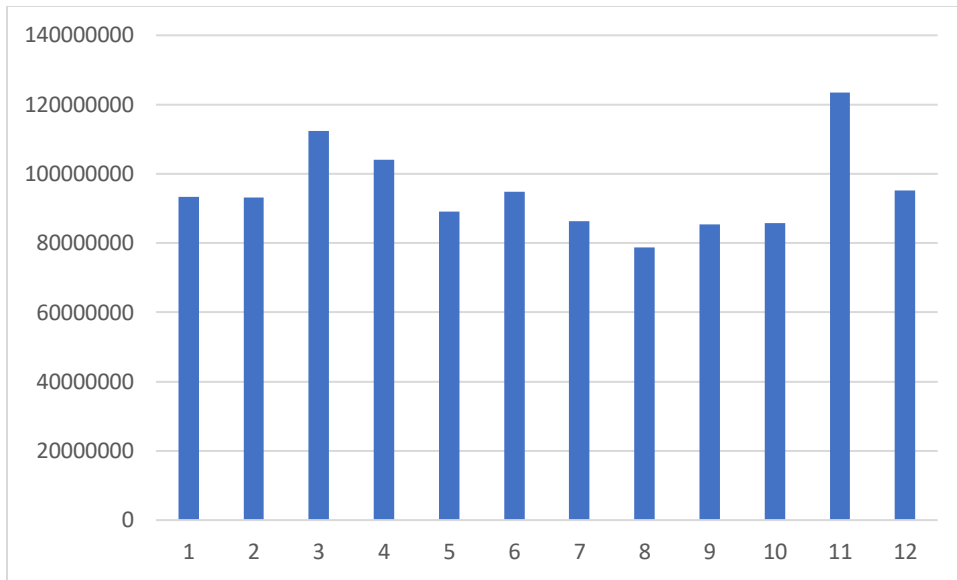
Average Time: 27197885810 ns

### Selection Sort:



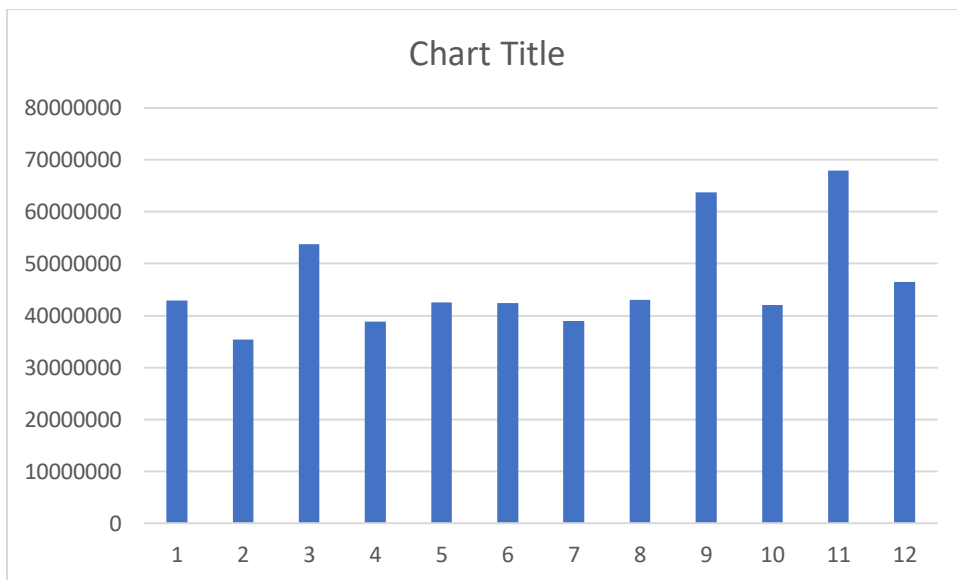
Average Time: 53680014655 ns

### Heap Sort:



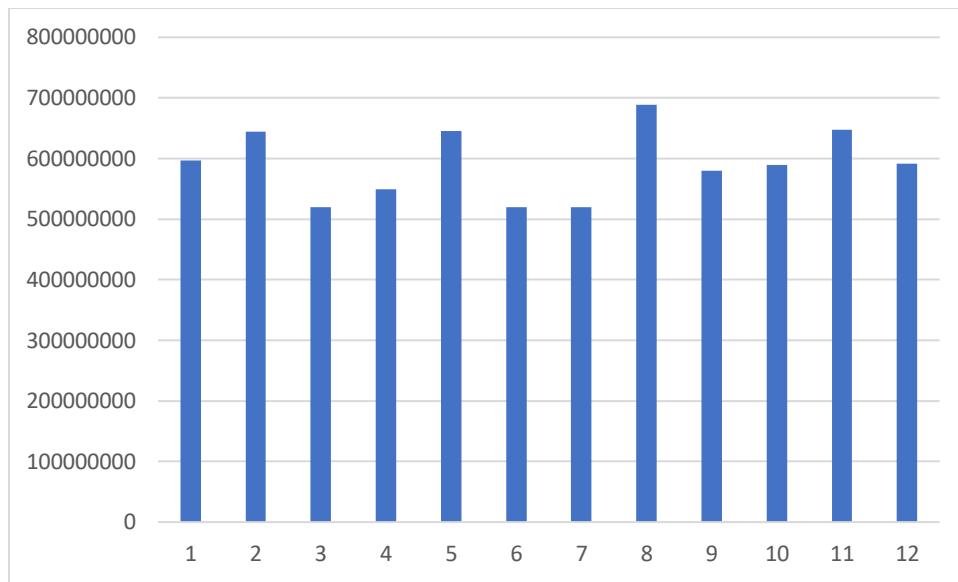
Average Time: 95161164 ns

### Merge Sort:



Average Time: 46522900 ns

### Quick Sort:



Average Time: 591003973 ns

Insertion and Sorting Algorithm take the longest as the run time is  $O(n^2)$

For Merge sort the runtime is  $O(n \log n)$

For Quicksort average is  $O(n \log n)$

For Heap sort is  $O(n \log n)$