**MA 69004 Data Structures and Algorithms**

**Lab Assignment I**

1. Implement an algorithm for Insertion Sort on the following input samples. Display the number of comparisons and shifts
2. Implement an algorithm for MergeSort on the input samples. Display the sub-arrays at each stage.

Input samples:

[31 23 1 17 19 28 9 3 13 15 22 8 29]

[18 26 32 6 43 15 9 1 22 26 19 55 37 43 99 2]