**MERGE SORT PROJECT**

**A-**[16,21,11,8,12,22] -> Merge Sort

**A.1-)** Merge Sort Steps:

[16,21,11,8,12,22]

[16,21,11] [8,12,22]

[16] [21,11] [8] [12,22]

[16] [21] [11] [8] [12] [22]

[16] [11,21] [8] [12,22]

[11,16,21] [8,12,22]

[8,11,12,16,21,22]

**A.2-)** Big O Notation :

O(n\*log2n) where n=6