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

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

16 21   **11**   **8 12**   **22**

16   **21**   **11**   **8**   **12**   **22**

16 21   **11**   **8 12**   **22**

11 16 21   **8 12 22**

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

O(nlogn)