Merge Sort Project

Given array = **[16,21,11,8,12,22]**

- Stages of Merge Sort

Merge sort first devides the array to the smallest number of element (1 element).

Then compares the elements with the adjacent element and merges two adjacent elements in after sorting.

It replaces itself after all the elements are sorted and merged.

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Best Case Time Complexity: **O(n*log n)**

Worst Case Time Complexity: **O(n*log n)**

Average Time Complexity: **O(n*log n)**