MERGE SORT

▸ Efficient and general purpose.

▸ Comparison based sorting algorithm.

▸ Also operates on the divide and conquer rule.

▸ Stable sort.

▸ Used in external sorting.

▸ Time complexity - O(n log n).

MERGE SORT ALGORITHM

It divides input array in two halves, calls itself for the two halves and then merges the two sorted halves. **The merge() function** is used for merging two halves. The merge(arr, l, m, r) is key process that assumes that arr[l..m] and arr[m+1..r] are sorted and merges the two sorted sub-arrays into one.