MERGE SORT APPLICATIONS

▸ Useful for sorting linked lists.

▸ Can be used for random access in arrays as their elements are continuous.

HEAP SORT

▸ Comparison based sorting algorithm.

▸ Can be thought of as an improved selection sort.

▸ Divides input into sorted and unsorted sections and iteratively shrinks the unsorted region by extracting the largest element and moving it into the sorted list.

▸ Uses binary heap data structure rather than a linear time search.

▸ In place algorithm but not stable.

▸ Slightly slower than quick sort but a more favourable worst case time complexity scenario.