Sorting:

Bubble sort: After each iteration highest element goes to end of the list

Insertion sort: All items to the left of an element are smaller.

Merge sort:

* This sorting algorithm uses the idea of divide and conquer.
* It divides input array in to two halves, calls itself for two halves and merges the tow sorted halves.

Quick sort:

* This sorting algorithm uses the idea of divide and conquer.
* It finds the element called Pivot which divides the array in to two halves in such a way that elements in the left are smaller than pivot and elements in right are greater than pivot.