SEARCHING and SORTING

Binary Search,

Selection Sort,

Bubble Sort,

Insertion Sort,

Merge Sort,

Heap Sort,

QuickSort,

Bucket Sort,

ShellSort,

Binary Insertion Sort,

Iterative Quick Sort,

QuickSort on Singly Linked List,

QuickSort on Doubly Linked List,

When does the worst case of Quicksort occur?

Merge Sort for Linked Lists,

Sort a nearly sorted (or K sorted) array,

Sort n numbers in range from 0 to n^2 – 1 in linear time,

Sort an array in wave form,

Interpolation search vs Binary search,

Which sorting algorithm makes minimum number of memory writes?

A Problem in Many Binary Search Implementations,

Why is Binary Search preferred over Ternary Search? ,

FIND:

Find the Minimum length Unsorted Subarray, sorting which makes the complete array sorted,

K'th Smallest/Largest Element in Unsorted Array,

K'th Smallest/Largest Element in Unsorted Array in Expected Linear Time,

K'th Smallest/Largest Element in Unsorted Array in Worst Case Linear Time,

Find the closest pair from two sorted arrays,

Find k closest elements to a given value,

Find **common elements in three sorted arrays**,

Given a sorted array and a number x, **find the pair in array whose sum is closest to x**,

Count 1's in a sorted binary array,

Search in an almost sorted array,