

## **DIVIDE & CONQUER-**

Binary Search

Find number of rotations in a circularly sorted array

Search an element in a circular sorted array

Find first or last occurrence of a given number in a sorted array

Count occurrences of a number in a sorted array with duplicates

Find smallest missing element from a sorted array

Find Floor and Ceil of a number in a sorted array

Search in a nearly sorted array in  $O(\log n)$  time

Find number of 1's in a sorted binary array

Find the peak element in an array

Maximum Sum Subarray using Divide & Conquer

Find Minimum and Maximum element in an array using minimum comparisons

Efficiently implement power function | Recursive and Iterative

Find Missing Term in a Sequence in  $\log(n)$  time

Division of Two Numbers using Binary Search Algorithm

Find Floor and Ceil of a number in a sorted array (Recursive solution)

Find Minimum and Maximum element in an array by doing minimum comparisons

Find Frequency of each element in a sorted array containing duplicates

Ternary Search vs Binary search

Exponential search

Interpolation search

Merge Sort Algorithm

Iterative Merge Sort Algorithm (Bottom-up Merge Sort)

Merge Sort Algorithm for Singly Linked List

Inversion Count of an array

Quicksort Algorithm

Iterative Implementation of Quicksort

Hybrid QuickSort

Quicksort using Dutch National Flag Algorithm

Quick Sort using Hoare's Partitioning scheme