

## 1- Bubble Sort:

Implement a function that takes in an array and returns the sorted version of this array using bubble sort algorithm.

## 2-Binary Search

2.1 Implement a function that performs binary search algorithm using a recursive approach.

2.2 Implement a function that performs binary search algorithm using Iterative approach.

## 3- Merge Sort

Write a C program to input elements in two array and merge two array to third array.

### Example

#### Input

Input first array elements: 1, 4, 6, 9, 15

Input second array elements: 2, 5, 8, 10

#### Output

Merged array in ascending order = 1, 2, 4, 5, 6, 8, 9, 10, 15