Arrays in c problems

1.) Merge two sorted arrays

Input: Array 1: 2 3 6 7 9

Array 2:145810

Output:

Merged Sorted Array: 1 2 3 4 5 6 7 8 9 10

2.) Missing numbers in array

Input: 1 2 3 5 Output:4

3.) Program to find second largest element

Input: $arr = \{2, 4, 5, 6, 7\}$

Output: arr = 6

4.) Search an Element in an array

Input:

 $arr = \{1 2 3 4\}$

Element to be search=3

output:2

5.) Sum of Middle Elements of two sorted arrays

Input: 1 2 4 6 10

456912

output:11(5+6)

