**Assignments:**

Q.1 Problem :Two Pair Sum

Statement:Given an array of integers nums and an integer target,return indices of the two numbers such that they add up to target.

Input:v[]={2,4,6,11,8,12}, target=14

Output:[2,4]

Q.2 Write a program to sum of two array.

Input: A1 = [2, 3, 1, 4] & A2= [6]

Output: 2320

Input: A1 = [2, 3, 1, 4] & A2=[2,3]

Output: 2337

Q.3 Write a C++ program to separate even and odd numbers in a array of integers. Put all even numbers first, and then odd numbers.

Input: 14,21,6,7,8,3,9

Output:14,6,8,21,7,3,9

Q.4 Write a C++ program to sort a given array of 0s, 1s and 2s. In the final array put all 0s first, then all 1s and all 2s last.

Input:0,1,0,1,0,2,1,2

Output:0,0,0,1,1,1,2,2

Q.5 Given a sorted array of n elements, possibly with duplicates, find the number of occurrences of the target element.

Input: arr = [4, 4, 8, 8, 8, 15, 16, 23, 23, 42], target = 8

Output: 3

Q.6 Given a sorted array of n elements, find the number of occurrences of each element.

Input: arr = [4, 4, 8, 8, 8, 15, 16, 23, 23, 53]

Output: 4=2

8=3

15=1

23=2

53=1

Q.7 Delete the specific position from an array.

Input: arr = [9,3,2,1,5,23,10,4],position=3

Output: [9,3,2,5,23,10,4]

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