

ZOHO L2 QUESTIONS - SET 4

1. Find the sum of the digits of given number.

Input : 114

Output : 6

Input: 1999

Output: 1

2. Print the following pattern.

Input : n=5

Output:

```
  +
  +++
  +++++
  ++++++
  +++++++
  ++++++++
```

3. Subtraction of long integers in array. Consider two array A and B subtract A from B and store the result in new array C

Input :

A=[1,2,1,5,3]

B=[5,8,7,9]

Output:

C=[6,2,7,4]

4. Find whether the give number is cool or not. The number is cool if the sum of any digits is equal to the sum of other digits.

Input:

23650-> 2+6=3+5+0 so the number is cool.

157->not cool number.

5. Given an array of numbers find a subset from the array such that the average for the whole set of numbers should equal the average of the numbers in the subsets deduced from the main array.

Input = [10, 20, 30, 40]
Output = [20, 30] [10, 40]
Input = [20, 40, 60]
Output = [40] [20, 60]

6. Write a Program to get input of n elements and print the lowest product producing 3 numbers from the elements

Input: 1 2 -4 -9 5
Output: -9 -4 1 (product: 36)

7. Write a program to receive n numbers as input and a difference pair and to display number of pairs with that difference

Input: 4 6 8 1 3 7 9
Difference: 2
Number of Pairs: 4

8. Concatenate two input strings such that if the last character in the first string and first character in the second string are same, either of the one should be removed.

Input: string1: cat, string2: tree
Output: catree

Input: string1: Yamaha string2: RX
Output: YamahaRX

Note: You should not use any string operation function!

9. Print the next big number of the number in array

Input array={8,1,4,6,9,5}
Output=8->9 ,1->4 ,4->5 ,6->8 ,9-> ,5->6

10. Reverse a string without changing the positions of spaces and characters. Reverse only letters and numbers.

Input= i! love: zoho
Output=o! hoze: voli

*****ALL THE BEST*****