**DAY 1 – DS Using C Programs**

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Given five positive integers, find the minimum and maximum values that can be calculated by summing exactly four of the five integers.

Sample Input:

a = [1,2,3,4,5]

Sample output:

10  14

Explanation:

Sum everything except 1, the sum is 2+3+4+5=14.

Sum everything except 2, the sum is 1+3+4+5=13.

Sum everything except 3, the sum is 1+2+4+5=12.

Sum everything except 4, the sum is 1+2+3+5=11.

Sum everything except 5, the sum is 1+2+3+4=10.

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#include <stdio.h>

#include <stdlib.h>

void main()

{

    int a[100], n, i, j;

    int sum, max = 0, min;

    printf("\nEnter the no. of array A[] elements: ");

    scanf("%d", &n);

    for (i = 0; i < n; i++)

    {

        printf("\nA[%d] = ", i);

        scanf("%d", &a[i]);

    }

    for (i = 0; i < n; i++)

    {

        sum = 0;

        for (j = 0; j < n; j++)

        {

            if (j != i) {

                sum += a[j];

                if(i == 0) {

                    min = sum;

                }

            }

        }

        if (max < sum)

            max = sum;

        if (min > sum)

            min = sum;

    }

    printf("\nThe Result is: \nMax = %d, Min = %d", max, min);

    printf("\n");

}

**OUTPUT:**

