

ASSIGNMENT 2

Attempt the following Challenge on Hacker Rank

DevOps Overview and SCM Assignment-2

Link is Given Below:

www.hackerrank.com/devops-overview-and-scm-assignment-22021-25

Problem 1: Simple Array Sum

Given an array of integers, find the sum of its elements.

For example, if the array `[1, 2, 3]`, so return `6`.

Function Description

Complete the *simpleArraySum* function in the editor below. It must return the sum of the array elements as an integer.

simpleArraySum has the following parameter(s):

- *ar*: an array of integers

Input Format

The first line contains an integer `n`, denoting the size of the array.

The second line contains `n` space-separated integers representing the array's elements.

Constraints

Output Format

Print the sum of the array's elements as a single integer.

Sample Input

```
6
1 2 3 4 10 11
```

Sample Output

```
31
```

Explanation

We print the sum of the array's elements: .

Problem 2: Mini-Max Sum

Given five positive integers, find the minimum and maximum values that can be calculated by summing exactly four of the five integers. Then print the respective minimum and maximum values as a single line of two space-separated long integers.

Example

The minimum sum is and the maximum sum is . The function prints

```
16 24
```

Function Description

Complete the *miniMaxSum* function in the editor below.

miniMaxSum has the following parameter(s):

- *arr*: an array of integers

Print

Print two space-separated integers on one line: the minimum sum and the maximum sum of of elements.

Input Format

A single line of five space-separated integers.

Constraints

Output Format

Print two space-separated long integers denoting the respective minimum and maximum values that can be calculated by summing exactly *four* of the five integers. (The output can be greater than a 32 bit integer.)

Sample Input

DevOps Overview and Source Code Management

1 2 3 4 5

Sample Output

10 14

Explanation

The numbers are , , , , and . Calculate the following sums using four of the five integers:

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

Hints: Beware of integer overflow! Use 64-bit Integer.