A - Min, Max and Sum

Write a program which reads a sequence of n integers *ai*​(*i*=1,2,...*n*), and prints the minimum value, maximum value and sum of the sequence.

## Input

In the first line, an integer n is given. In the next line, n integers *ai*​ are given in a line.

## Output

Print the minimum value, maximum value and sum in a line. Put a single space between the values.

## Constraints

* 0<*n*≤10000
* −1000000≤*ai*​≤1000000

## Sample Input

5

10 1 5 4 17

## Sample Output

1 17 37

#include <iostream>

using namespace *std*;

int main()

{

auto n = 0; *cin* >> n;

long int min = 10000000;

long int max = -10000000;

long long int sum = 0;

while (n--)

{

long int num; *cin* >> num;

if (min > num) min = num;

if (max < num)max = num;

sum += num;

}

*cout* << min << " " << max << " " << sum << *endl*;

return 0;

}