Problem

You are given N integers.Sort the N integers and print the sorted order.

Store the N integers in a vector.Vectors are sequence containers representing arrays that can change in size.

- Declaration:

```
vector<int>v; (creates an empty vector of integers)
```

- Size:

```
int size=v.size();
```

- Pushing an integer into a vector:

```
v.push_back(x);(where x is an integer.The size incr
```

- Popping the last element from the vector:

```
v.pop_back(); (After this the size decreases by 1)
```

- Sorting a vector:

```
sort(v.begin(),v.end()); (Will sort all the elemen
```

To know more about vectors, Click Here

Input Format

The first line of the input contains N where N is the number of integers.

The next line contains N integers.

Constraints

$1 <= N <= 10^5$

$1 <= V_i <= 10^9$, where V_i is the ith integer in the vector.

Output Format

Print the integers in the sorted order one by one in a single line followed by a space.

Sample Input

```
5
1 6 10 8 4
```

Sample Output

```
1 4 6 8 10
```

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Change Theme Language C++20

```
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Pr
    int n;
    cin>>n;
    vector<int>arr(n);
    for (int i=0; i<n; i++) {
            cin>>arr[i];
    }
    sort(arr.begin(),arr.end());
    for (int i=0; i<n; i++) {
            cout<<arr[i]<<" ";
    }
    return 0;
}

```

Line: 11 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code

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You are now 60 points away from the 4th star for your c++ badge.

25% 90/150

C++ CPP

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 1

Test case 2

Test case 3

Test case 4

Compiler Message

Success

Hidden Test Case

Unlock this testcase for 5 hackos.