



Vector-Sort

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Problem

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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 increases by 1 after this.)
```

- 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 elements in the vector)
```

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

 $1 \leq N \leq 10^5$ $1 \leq V_i \leq 10^9$, where V_i is the i^{th} 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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Current Buffer (saved locally, editable)  

C++14  

```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

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