Vector-Sort 🔖

by saikiran9194

Problem	Submissions	Leaderboard	Discussions

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
$1 <= N <= 10^5$
$1 <= V_i <= 10^9$, 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
```

Submissions: 24561
Max Score: 10
Difficulty: Easy

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More

Current Buffer (saved locally, editable) ⑂ ↻

C++ ▾

```cpp
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
12     int n;
13     scanf("%d", &n);
14
15     std::vector<int> v;
16     for(int i =0; i<n; i++) {
17         int elem;
18         cin >> elem;
19         v.push_back(elem);
20     }
21
22     sort(v.begin(),v.end());
23
24     for(int i =0; i<n; i++) {
25         cout << v[i] << " ";
26     }
27
28     //system("pause");
29     return 0;
30 }
31
```

Line: 12 Col: 5

⬆ Upload Code as File   ☐ Test against custom input   **Run Code**   Submit Code

Congrats, you solved this challenge!

✔ Test Case #0	✔ Test Case #1	✔ Test Case #2
✔ Test Case #3	✔ Test Case #4	✔ Test Case #5
✔ Test Case #6	✔ Test Case #7	

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