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| **SORT**    Problem code: SORT | * [SUBMIT](https://www.codechef.com/submit/SORT) * [MY SUBMISSIONS](https://www.codechef.com/status/SORT,nacho0monllor) * [ALL SUBMISSIONS](https://www.codechef.com/status/SORT) |

**All submissions for this problem are available.**

Given the list of numbers, you are to sort them in non decreasing order.

**Input**

t – the number of numbers in list, then t lines follow [t <= 10^6].

Each line contains one integer: N [0 <= N <= 10^6]

**Output**

Output given numbers in non decreasing order.

**Example**

**Input:**

5

5

3

6

7

1

**Output:**

1

3

5

6

7

<https://www.codechef.com/problems/SORT>

#include <iostream>

#include <stdio.h>

#include <vector>

#include <algorithm>

using namespace std;

int main() {

int n;

scanf("%d",&n);

std::vector<int> v;

for(int i =0; i <n; i++) {

int elem;

scanf("%d", &elem);

v.push\_back(elem);

}

std::sort(v.begin(), v.end());

for(int i =0; i < n; i++) {

printf("%d\n", v[i]);

}

//system("pause");

return 0;

}