A. Sort Array

Time Limit: 1.0 Seconds   Memory Limit: 65536K   Multiple test files

Array is a kind of data structure in C++.The type of array elements is changeable , such as integer, char, string. Now we have an array of integers. Please help me sort the elements in the array. After the sort, the elements in the array are arranged in ascending order.

Input

For each test case, the first line contains a single integer N(1<=N<=100) which is the number of array elements. Following the first line, there are N integers seperated by a blank that are array elements.

Output

For each test case, output the sorted array in ascending order with elements seperated by a blank. There should be no heading or tailing space.

Sample Input

```
5
5 4 3 2 1
```

Sample Output

```
1 2 3 4 5
```

Source:

Source:

Problem ID in problemset: 3842

Tianjin University Online Judge v1.2.4