

Arrays 1D - Ascending order

Problem

Submissions

Leaderboard

Discussions

Kailash and his daughter Keerthana were arguing about who is the smartest person in the family. Kailash who is a world-known Computer Engineer asked Keerthana who has not yet completed college to write a program to sort the given array in ascending order. Can you help Keerthana?

Input Format

Input consists of 1 integer and 1 array. The integer corresponds to the size of the array.

Constraints

NA

Output Format

The output consists of an array of elements after sorting.

Sample Input 0

```
5
54
68
25
14
74
```

Sample Output 0

```
The Sorted array is:
14
25
54
68
74
```

Sample Input 1

```
4
6
7
8
3
```

Sample Output 1

```
The Sorted array is:
3
```

6
7
8

Explanation 1

Here we can compare the 1st value(6)with all the other values,6 is greater than 3 and hence 6 will get printed in the second position. Repeat the same process for all the remaining values to get the output in sorted order.

[f](#) [t](#) [in](#)

Submissions: 647

Max Score: 100

Difficulty: Medium

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☆☆☆☆☆

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C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
7
8     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9     int x,t;
10    scanf("%d",&x);
11    int a[x];
12    for(int i=0;i<x;i++){
13        scanf("%d",&a[i]);
14    }
15    for(int i=0;i<x;i++){
16        for(int j=i+1;j<x;j++){
17            if(a[i]>a[j]){
18                t=a[i];
19                a[i]=a[j];
20                a[j]=t;
21            }
22        }
23    }
24    printf("The Sorted array is:\n");
25    for(int i=0;i<x;i++){
26        printf("%d\n",a[i]);
27    }
28    return 0;
29 }
```

Line: 1 Col: 1

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code

Testcase 0 ✓

Testcase 1 ✓

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
5
54
68
25
14
74
```

Your Output (stdout)

```
The Sorted array is:
14
25
54
68
74
```

Expected Output

```
The Sorted array is:
14
25
54
68
74
```