Sort the numbers

locked

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NOTE: Solve this problem using dynamic memory - allocate memory using new and free it using delete.

Use your own sorting function, do not use library function for sorting.

Sort the given numbers in ascending order

Input Format

First line contains count of numbers (***n***) to be sorted.

Second line contains ***n*** numbers separated by space.

Constraints

1 <= n =< 100000000

-100000000 <= each number in the list <= 100000000

Output Format

One line containing ***n*** numbers in ascending order.

Sample Input 0

```
1
11
```

Sample Output 0

```
11
```

Sample Input 1

```
2
1 2
```

Sample Output 1

```
1 2
```

Sample Input 2

```
2
2 1
```

Sample Output 2

```
1 2
```

Sample Input 3

```
3
3 1 2
```

Sample Output 3

```
1 2 3
```

Sample Input 4

```
12
1 -10 0 9 8 5 6 7 2 3 0 3
```

Sample Output 4

```
-10 0 0 1 2 3 3 5 6 7 8 9
```

Submissions:

144

Max Score:

10

Difficulty:

Easy

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```
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
}
```

Line: 1 Col: 1