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Sort names of students

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Problem

Submissions

Leaderboard

Discussions

Write a program to sort names of students (try without help of string library fuctions, if you can not solve it without library functions, then only you should use string library functions)

Ignore cases (upper/lower case) while sorting.

Input Format

First line of input contains number n (number of names to be sorted). Next n lines contain names of students to be sorted.

Constraints

$0 < n \leq 100000$

$0 < \text{number of characters in a name} \leq 200$

Output Format

First line of the output should be number n (number of names sorted). Next n lines should contain names of students in ascending order.

Sample Input 0

```
5
Roshan kumar
Karan
Kumar
Ajay Das Ambani
Nikunj
```

Sample Output 0

```
5
Ajay Das Ambani
Karan
Kumar
Nikunj
Roshan kumar
```

Sample Input 1

```
3
Pandav
Hariom
Prashant
```

Sample Output 1

```
3
Hariom
Pandav
Prashant
```

Sample Input 2

```
1
OnlyString
```

Sample Output 2

```
1
OnlyString
```

Sample Input 3

```
2
DDUNadiad
ddu Nadiad
```

Sample Output 3

```
2
ddu Nadiad
DDUNadiad
```

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Submissions: [128](#)


Max Score: 10


Difficulty: Medium

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C



```
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>
```

```
int main() {
```

```
8 ▼  /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9    return 0;
10 }
11
```

Line: 1 Col: 1

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