

ginortS

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You are given a string *S*.  
*S* contains alphanumeric characters only.

## Sorting

Your task is to sort the string *S* in the following manner:

- All sorted lowercase letters are ahead of uppercase letters.
- All sorted uppercase letters are ahead of digits.
- All sorted odd digits are ahead of sorted even digits.

### Input Format

A single line of input contains the string *S*.

### Constraints

- $0 < len(S) < 1000$

### Output Format

Output the sorted string *S*.

### Sample Input

Sorting1234

### Sample Output

ginortS1324

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```
1 # Enter your code here. Read input from STDIN. Print output to STDOUT
```

Line: 1 Col: 70

Upload Code as File

☐ Test against custom input

Run Code

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