String Frequency II

40 POINTS

Given a string find the frequency of all characters in the string and print them in lexicographical order.

Input format

A single line of input containing the string

Output format

Frequency of all characters in the string in lexicographical order

Constraints

[1] The strings consists only of lowercase and uppercase alphabets, digits and space.
[2] The max. length of the string is 1000

Test Case - 1

Hello World 1234
H:1
W:1
d:1
e:1
l:3
o:2
r:1
1:1
2:1
3:1
4:1
 :2

Problem tags:

THE COMPLETE C COURSE   STRING