

C // English Literature At Its Finest

After Zhehai leaves Functions, he goes straight to English where he gets even angrier. Today, they are reading a book called, "A Streetcar Named Desire." Zhehai is trying to decompose every word so that he can understand the story's true meaning. Make a program that take a phrase and lists each and every character that occurs with the amount of times it occurs. It should be in alphabetical order.

Input Specification:

The input consists of one line that contains a string of characters (can include spaces).

Output Specification:

Output each of the letters in the phrase and how often they occur.

Sample Input:

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Mississippi River
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Sample Output:

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M: 1  
R: 1  
e: 1  
i: 5  
p: 2  
r: 1  
s: 4  
v: 1
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