451. Sort Characters By Frequency

Add to List ▾

Question | Editorial Solution

✉ My Submissions (/problems/sort-characters-by-frequency/submissions/)

Total Accepted: **13299** Total Submissions: **26176** Difficulty: **Medium** Contributors: **stickypens** (/stickypens/)

Given a string, sort it in decreasing order based on the frequency of characters.

Example 1:

```
Input:
"tree"

Output:
"eert"

Explanation:
'e' appears twice while 'r' and 't' both appear once.
So 'e' must appear before both 'r' and 't'. Therefore "eetr" is also a valid answer.
```

Example 2:

```
Input:
"cccaaa"

Output:
"cccaaa"

Explanation:
Both 'c' and 'a' appear three times, so "aaaccc" is also a valid answer.
Note that "cacaca" is incorrect, as the same characters must be together.
```

Example 3:

```
Input:
"Aabb"

Output:
"bbAa"

Explanation:
"bbaA" is also a valid answer, but "Aabb" is incorrect.
Note that 'A' and 'a' are treated as two different characters.
```

Subscribe (/subscribe/) to see which companies asked this question

Show Tags

Show Similar Problems

Have you met this question in a real interview? Yes No

Discuss (https://discuss.leetcode.com/category/578) | Top Solutions

Pick One (/problems/random-one-question/)

Python ▾ ↻ </>

```python
 1  class Solution(object):
 2      def frequencySort(self, s):
 3          """
 4          :type s: str
 5          :rtype: str
 6          """
 7          import collections
 8          cnt=collections.Counter()
 9          for char in s:
10              cnt[char]=cnt[char]+1
11          result=''
12          for char,count in cnt.most_common():
13              result=result+char*count
14
15          return result
16
17
18
```

✉ Send Feedback (mailto:admin@leetcode.com?subject=Feedback)

```
19
20
```

Custom Testcase ☐

Contribute Testcase ❓

<div style="text-align:right">Run Code   Submit Solution   Notes ⬜</div>

Frequently Asked Questions (/faq/) | Terms of Service (/tos/)

Privacy

Copyright © 2017 LeetCode

✉ Send Feedback (mailto:admin@leetcode.com?subject=Feedback)