

Given a string *s*, sort it in decreasing order based on the frequency of the characters. The frequency of a character is the number of times it appears in the string.

Return the sorted string. If there are multiple answers, return any of them.

Example 1:

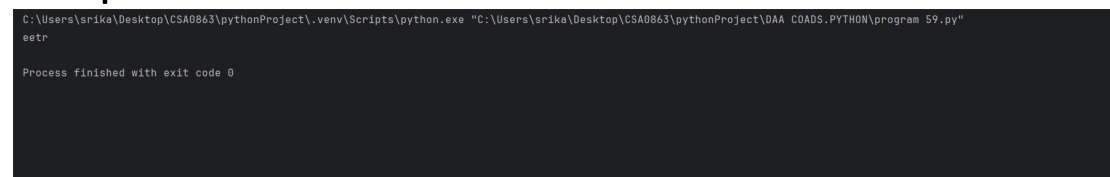
Input: *s* = "tree"

Output: "eert"

Program:

```
from collections import Counter
def frequencySort(s):
    freq = Counter(s)
    sorted_chars = sorted(freq, key=lambda x:
freq[x], reverse=True)
    result = ''.join(char * freq[char] for char in
sorted_chars)
    return result
s = "tree"
print(frequencySort(s))
```

Output:

A screenshot of a terminal window with a dark background. The first line shows the command prompt and the execution of a Python script: `C:\Users\srika\Desktop\CSA0863\pythonProject\.venv\Scripts\python.exe "C:\Users\srika\Desktop\CSA0863\pythonProject\DAAC0ADS.PYTHON\program 59.py"`. The second line shows the output of the script: `eetr`. The third line shows the message: `Process finished with exit code 0`.

Time complexity:

$O(n \log n)$