# Company Logo ★

61/115 challenges solved

Rank: **71509** | Points: **935** ⓘ

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Problem          Submissions          Leaderboard          Editorial 🔒

A newly opened multinational brand has decided to base their company logo on the three most common characters in the company name. They are now trying out various combinations of company names and logos based on this condition. Given a string $S$, which is the company name in lowercase letters, your task is to find the top three most common characters in the string.

- Print the three most common characters along with their occurrence count.

- Sort in descending order of occurrence count.

- If the occurrence count is the same, sort the characters in alphabetical order.

For example, according to the conditions described above,

GOOGLE would have it's logo with the letters **G, O, E**.

**Input Format**

A single line of input containing the string $S$.

**Constraints**

- $3 < len(S) \le 10^4$

- $S$ has at least **3** distinct characters

**Output Format**

Print the three most common characters along with their occurrence count each on a separate line.
Sort output in descending order of occurrence count.
If the occurrence count is the same, sort the characters in alphabetical order.

**Sample Input 0**

```
aabbbccde
```

**Sample Output 0**

```
b 3
a 2
c 2
```

**Explanation 0**

aabbbccde

Here, b occurs **3** times. It is printed first.

Both a and c occur **2** times. So, a is printed in the second line and c in the third line because a comes before c in the alphabet.

**Note**: The string $S$ has at least **3** distinct characters.

Change Theme    Language    Python 3    ⌄

```python
#!/bin/python3

import math
import os
import random
import re
import sys
import collections


if __name__ == '__main__':
    s = input()
    counter = collections.Counter(sorted(s))
    top3 = counter.most_common(3)
    [print(*x) for x in top3]

```

EMACS                                                          Line: 16 Col: 1

⬆ Upload Code as File        ☐ Test against custom input                    Run Code    Submit Code

You have earned 30.00 points!
61/115 challenges solved.

**53%**

Python
★★★★★

# Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

✓ **Test case 0**

✓ Test case 1 🔒

✓ Test case 2 🔒

✓ Test case 3 🔒

✓ Test case 4 🔒

✓ Test case 5 🔒

Compiler Message

Success

Input (stdin)                                                    Download

1    aabbbccde

Expected Output                                                  Download

1    b 3
2    a 2
3    c 2

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# Congratulations

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Next Challenge