



Practice &gt; Python &gt; Collections &gt; Word Order

# Word Order ☆

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## Problem

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You are given  $n$  words. Some words may repeat. For each word, output its number of occurrences. The output order should correspond with the input order of appearance of the word. See the sample input/output for clarification.

**Note:** Each input line ends with a "\n" character.

### Constraints:

$$1 \leq n \leq 10^5$$

The sum of the lengths of all the words do not exceed  $10^6$

All the words are composed of lowercase English letters only.

### Input Format

The first line contains the integer,  $n$ .

The next  $n$  lines each contain a word.

### Output Format

Output 2 lines.

On the first line, output the number of distinct words from the input.

On the second line, output the number of occurrences for each distinct word according to their appearance in the input.

### Sample Input

```
4
bcdef
abcdefg
bcde
bcdef
```

### Sample Output

```
3
2 1 1
```

### Explanation

There are 3 distinct words. Here, "bcdef" appears twice in the input at the first and last positions. The other words appear once each. The order of the first appearances are "bcdef", "abcdefg" and "bcde"

Author

sandydeep

Difficulty

Medium

Max Score

50

Submitted By

15627

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which corresponds to the output.

Current Buffer (saved locally, editable) Python 3

```
1 from collections import Counter,OrderedDict
2 class OrderedCounter(Counter,OrderedDict):
3     pass
4 di=OrderedCounter(input() for i in range(int(input())))
5 print(len(di))
6 print(*di.values())
```

Line: 6 Col: 20

Upload Code as File ☐ Test against custom input

Run Code

Submit Code



You have earned 50.00 points!

93/115 challenges solved.

81%

## Congratulations

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



Next  
Challenge

Testcase 0

Testcase 1

Testcase 2

Testcase 3

8 Testcases

Input (stdin)

Download

Expected Output

Download

4  
bcdef  
abcdefg  
bcde

3  
2 1 1

Compiler Message

Success

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