

# CountingInString

Problem

Submissions

Leaderboard

Discussions

Write a C program to count and display the number of Vowels, Consonants and spaces in a string

## Input Format

String *s* in a single line

## Constraints

- length of string *s* < 200
- all the characters in the string are in lowercase
- no numbers or special character will be present in the string

## Output Format

- First line of output is the number of vowels
- Second line of output is the number of consonants
- Third line of output is the number of spaces

## Sample Input 0

```
hello world
```

## Sample Output 0

```
3
7
1
```

## Sample Input 1

```
hello
```

## Sample Output 1

```
2
3
0
```

[f](#) [t](#) [in](#)

Submissions: 33

Max Score: 10

Difficulty: Medium

Rate This Challenge:

☆☆☆☆☆

[More](#)Current Buffer (saved locally, editable) [🔗](#) [🔄](#)

C

🗖

⚙

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 int main() {
```

```
7
8 char line[150];
9 int vowels, consonant, digit, space;
10
11 vowels = consonant = digit = space = 0;
12 fgets(line, sizeof(line), stdin);
13
14 for (int i = 0; line[i] != '\0'; ++i) {
15     if (line[i] == 'a' || line[i] == 'e' || line[i] == 'i' ||
16         line[i] == 'o' || line[i] == 'u' || line[i] == 'A' ||
17         line[i] == 'E' || line[i] == 'I' || line[i] == 'O' ||
18         line[i] == 'U') {
19         ++vowels;
20     } else if ((line[i] >= 'a' && line[i] <= 'z') || (line[i] >= 'A' && line[i] <= 'Z')) {
21         ++consonant;
22     } else if (line[i] == ' ') {
23         ++space;
24     }
25 }
26
27 printf("%d\n", vowels);
28 printf("%d\n", consonant);
29 printf("%d", space);
30 return 0;
31 }
32
33
34
```

Line: 1 Col: 1

 [Upload Code as File](#) ☐ [Test against custom input](#)

[Run Code](#)

[Submit Code](#)

Testcase 0 

Testcase 1 

**Congratulations, you passed the sample test case.**

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

hello world

Your Output (stdout)

3  
7  
1

Expected Output

3  
7  
1