CODECHEF
An Educational Initiative

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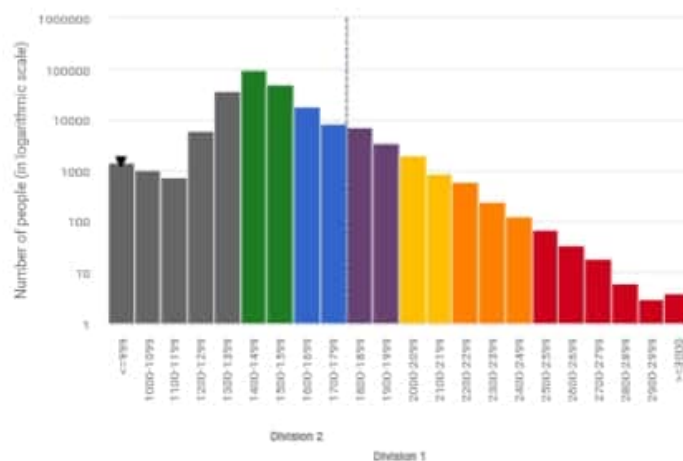▸ PRACTICE ▸ COMPETE ▸ DISCUSS | ▸ COMMUNITY ▸ HELP ▸ ABOUT

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Pushpitha P

✎ f 👥

Username:	pushpitha2001
Country:	India
State:	Karnataka
City:	Mysuru
Student/Professional:	Student
Institution:	Alvas Institute of Engineering and Technology Karnataka, India
Teams List:	List of teams by Pushpitha P
Team Invites:	Click here to check team invites. 🔄

Rating Graphs

CodeChef	Long Challenge	Cook Off	Lunch Time

No Participation

Rating axis: 3500, 3000, 2500, 2000, 1500, 1000
Year axis: 2011 2012 2013 2014 2015 2016 2017

CodeChef Rating Distribution

Number of people (in logarithmic scale)

Division 2
Division 1

0
⭐

CodeChef Rating
(Highest Rating 0)

NA | **NA**
Global Rank | Country Rank

Contests	Rating	Global Rank	Country Rank
Long Challenge	0	NA	NA
Cook-off	0	NA	NA
Lunch Time	0	NA	NA

Recent Activity

Date/Time	Problem	Result	Lang
	No Recent Activity		

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Code, Compile & Run

ide ✕ +

C++14 (gcc 6.3) ▾   ⓘ ⬇ ⤢ ⚙

```
2
3   #include <stdio.h>
4   #include <string.h>
5   #include <stdlib.h>
6
7   #define str_size 100
8   int main()
9 ▾ {
10      char str[str_size];
11      int i, len, vowel, cons;
12
13      printf("\n\nCount total number of vowel or consonant :\n");
14      printf("----------------------------------------------\n");
15      printf("Input the string : ");
16      fgets(str, sizeof str, stdin);
17
18      vowel = 0;
19      cons = 0;
20      len = strlen(str);
21
22      for(i=0; i<len; i++)
23 ▾    {
24
25          if(str[i] =='a' || str[i]=='e' || str[i]=='i' || str[i]=='o' || str[i]=='u' || str[i]=='A' || st
26 ▾        {
27              vowel++;
28          }
29          else if((str[i]>='a' && str[i]<='z') || (str[i]>='A' && str[i]<='Z'))
```

0:0   ↻

Open File   ✓ Custom Input   Run

Custom Input

hellow world

Status Successfully executed   Date 2020-06-18 07:18:46   Time 0 sec   Mem 15.232 kB   ✕

Input

hellow world

Output

Count total number of vowel or consonant :

Input the string :
The total number of vowel in the string is : 3
The total number of consonant in the string is : 8

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Home ▸ IDE

Code, Compile & Run

Ide ✖ +

C++14 (gcc 6.3) ▼   ⓘ ⤓ ⤢ ⚙

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26  -       {
27              vowel++;
28          }
29          else if((str[i]>='a' && str[i]<='z') || (str[i]>='A' && str[i]<='Z'))
30  -       {
31              cons++;
32          }
33      }
34      printf("\nThe total number of vowel in the string is : %d\n", vowel);
35      printf("The total number of consonant in the string is : %d\n\n", cons);
36  }
37
```

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Open File   ✓Custom Input   Run

Custom Input

hellow world

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Input

hellow world

Output

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Count total number of vowel or consonant :
--------------------------------------------
Input the string :
The total number of vowel in the string is : 3
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```

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▸ PRACTICE ▸ COMPETE ▸ DISCUSS | ▸ COMMUNITY ▸ HELP ▸ ABOUT

Home ▸ IDE

Code, Compile & Run

Ide ✕ +

C++14 (gcc 6.3) ▾   ⓘ ↧ ↗ ⚙

```
10      char str[str_size];
11      int i, len, vowel, cons;
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13          printf("\n\nCount total number of vowel or consonant :\n");
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18      vowel = 0;
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| Open File | ✓ Custom Input | Run |

Custom Input
```
hellow world
```

Status Successfully executed   Date 2020-06-18 07:18:46   Time 0 sec   Mem 15.232 kB   ✕

Input
```
hellow world
```

Output
```
Count total number of vowel or consonant :
---------------------------------------------
Input the string :
The total number of vowel in the string is : 3
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```

Algorithm

Step 1 :- Start

Step 2 :- Take the sentence as input and store in the array sentence [].

Step 3 :- Initialize the variables vowels, consonants and special to zero.

Step 4 :- using if, else statements, check if the sentence has vowels like, a, e, i, o, u, A, E, I O, and U.

Step 5 :- If it has, then increment the variable vowels by
   5.1 otherwise increment the variable consonants. by 1.

Step 6 :- If the sentence has \t, \0 and empty space, then increment the variable special by 1.

Step 7 :- Do steps 3, 4 and 5 inside a for loop.

Step 8 :- when the loop terminates, subtract the variable consonants from special.

Step 9 :- Print the variables vowels and consonants as output.

Step 10 :- Stop.

Flowchart

```
Start
```

public static pair<
integer, integer > count
Vowels & consonants
VI(3King Str)

Str = null i
Str is empty()? ── True ──> return pair.o("-1,-1);

── False ──>
Str = Str.lower case();
int vowels = 0;
int consonants ();
    int i = 0

i < Str.length ()? ── False ──> return pair of (vowels, constants);

── True ──>
char ch = Str.char Ai [i]

a[vowels contains (ch)? ── True ──> vowels ++;   ── false ──> i++
── False ──>
(ch >= 'a' &&
ch <= 'z')? ── True ──> consonants ++ ──> i++

End
```