

Home » IDE

Code, Compile & Run

 Ide ✕ +

Contest Code/Name (e.g. JULY15/PRACTICE)

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3)

Code gets autosaved every second

```

3  #include <stdio.h>
4  #include <string.h>
5  #include <stdlib.h>
6
7  #define str_size 100 //Declare the maximum size of the string
8
9  void main()
10 {
11     char str[str_size];
12     int i, len, vowel, cons;
13
14     printf("\n\nCount total number of vowel or consonant : \n");
15     printf("-----\n");
16     printf("Input the string : ");
17     fgets(str, sizeof str, stdin);
18
19     vowel = 0;
20     cons = 0;
21     len = strlen(str);
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' || str[i] == 'E' || str[i] == 'I' || str[i] == 'O' || str[i] == 'U')
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("Vowel : %d\n", vowel);
35     printf("Consonant : %d\n", cons);
36 }
```

0:0

Open File

✓ Custom Input

Run

Custom Input

hello world

Status Runtime error Date 2020-06-18 14:37:39 Time 0 sec Mem 9.424 kB

Input

hello 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 : 7
```

Runtime Error

NZEC

(i) Algorithm

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Step 1: start

Step 2: define string

Step 3: convert the string to lower case so that comparisons can be reduced. Else we need to compare with capital

Step 4: If any character in string matches with vowels then increment the count by 1

Step 5: If any character lies between 'a' & 'z' except vowels, then increment the count for count by 1

Step 6: Print both the counts.

Step 7: stop.

ii) Flowchart

