

## STRING

Problem

Submissions

Leaderboard

Discussions

Write a C program to find the number of words in a string. Also reverse string.

## Input Format

Input a String.

## Constraints

Use the concept of functions in C for counting the words and reversing.

Don't use built in functions.

## Output Format

First line refers to number of words in the string.

Second line refers to string after reversing.

## Sample Input 0

```
hello world
```

## Sample Output 0

```
no of words = 2
dlrow olleh
```

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

Submissions: 34

Max Score: 10

Difficulty: Easy

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C



```
1 #include <stdio.h>
2 #include <string.h>
3
4 int reverse(char *str)
5 {
6     int i, len, c=0;
7     for (i=0; str[i]!='\0'; i++)
8     {
9         if (str[i]==' ' && str[i+1]!=' ')
10             c++;
11     }
12     printf("no of words = %d\n", c+1);
13     len=strlen(str);
14     for (i=len-1; i>=0; i--)
15     {
16         printf("%c", str[i]);
17     }
18     return 0;
19 }
20
21 int main ()
22 {
23
24 }
```

```
25 char str[100];
26 gets (str);
27 reverse (str);
28 return 0;
29 }
```

Line: 1 Col: 1

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

Run Code

Submit Code

Testcase 0 

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

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

#### Compile Message

```
Solution.c: In function 'main':
Solution.c:26:5: warning: implicit declaration of function 'gets'; did you mean 'fgets'? [-Wimplicit-function-declaration]
    gets (str);
    ^~~~
    fgets
/usr/bin/ld: ./ccAFG4DJ.o: in function `main':
/tmp/submission/20210609/14/20/hackerrank-6c247ebe9b6df2851887a37eaa1228e1/code/Solution.c:26: warning: the `gets' function is dangerous and should not be used.
```

Compile Time

#### Input (stdin)

hello world

Run Time

#### Your Output (stdout)

no of words = 2  
dlrow olleh

#### Expected Output

no of words = 2  
dlrow olleh