

Problem

In this challenge, the user enters a string and a substring. You have to print the number of times that the substring occurs in the given string.

String traversal will take place from left to right, not from right to left.

NOTE: String letters are case-sensitive.

Input Format

The first line of input contains the original string. The next line contains the substring.

Submissions

Constraints

Each character in the string is an ascii character.

Output Format

Output the integer number indicating the total number of occurrences of the substring in the original string.

Leaderboard

Sample Input

ABCD CDC
CDC

Sample Output

2

Discussions

Concept

There are a couple of new concepts:

In Python, the length of a string is found by the function `len(s)`, where `s` is the string.

To traverse through the length of a string, use a for loop:

```
for i in range(0, len(s)):
    print (s[i])
```

A range function is used to loop over some length:

```
range (0, 5)
```

Here, the range loops over `0` to `4`. `5` is excluded.

Constraints

Editorial

Change Theme

Language

Python 3



```
1 def count_substring(string, sub_string):
2     count = 0
3     for i in range(0, len(string)-len(sub_string)+1):
4         if string[i:i+len(sub_string)] == sub_string:
5             count += 1
6     return count
7
8 if __name__ == '__main__':
9     string = input().strip()
10    sub_string = input().strip()
11
12    count = count_substring(string, sub_string)
13    print(count)
```

Line: 13 Col: 17

Upload Code as File

Test against custom input

Run Code

Submit Code

You have earned 10.00 points!

You are now 15 points away from the 4th star for your python badge.

86%

205/220



Congratulations

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

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Compiler Message

Success

Input (stdin)

Download

```
1 ABCDCDC
2 CDC
```