Problem Statement Link

https://www.hackerrank.com/challenges/find-a-string/problem

Problem Statement

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.

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.

Sample Input

ABCDCDC
CDC

Sample Output

2

Concept

Some string processing examples, such as these, might be useful.

There are a couple of new concepts:

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

Solution

```
def count_substring(string, sub_string):
    count=0
    for i in range(0,len(string)):
        if sub_string == string[i:len(sub_string)+i]:
            count=count+1
    return count

if __name__ == '__main__':
    string = input().strip()
    sub_string = input().strip()

    count = count_substring(string, sub_string)
    print(count)
```

Problem Statement Link

https://www.hackerrank.com/challenges/capitalize/problem

Problem Statement

You are asked to ensure that the first and last names of people begin with a capital letter in their passports. For example, alison heck should be capitalised correctly as Alison Heck.

Given a full name, your task is to capitalize the name appropriately.

Input Format

A single line of input containing the full name, .

Constraints

- The string consists of alphanumeric characters and spaces.

Note: in a word only the first character is capitalized. Example 12abc when capitalized remains 12abc.

Output Format

Print the capitalized string, .

Sample Input

chris alan

Sample Output

Chris Alan

Solution

```
#!/bin/python3

import math

import os

import random

import re

import sys


# Complete the solve function below.

def solve(s):

    for i in s.split():

        s = s.replace(i,i.capitalize())

    return s


if __name__ == '__main__':

    fptr = open(os.environ['OUTPUT_PATH'], 'w')

    s = input()

    result = solve(s)


    fptr.write(result + '\n')

    fptr.close()
```