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Started on	Friday, 5 April 2024, 1:27 PM
State	Finished
Completed on	Thursday, 11 April 2024, 11:03 AM
Time taken	5 days 21 hours
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	SNEHA S 2022-CSD-A

Question **1**

Correct

Mark 1.00 out of 1.00

Write a Python program to get one string and reverses a string. The input string is given as an array of characters `char[]`.

You may assume all the characters consist of printable ascii characters.

Example 1:

```
Input:
hello
Output:
olleh
```

Example 2:

```
Input:
Hannah
Output:
hannaH
```

Answer: (penalty regime: 0 %)

```
s=input()
s=s[: :-1]
print(s)
```

	Input	Expected	Got	
✓	hello	olleh	olleh	✓
✓	Hannah	hannaH	hannaH	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 1.00 out of 1.00

Given a string s consisting of some words separated by some number of spaces, return the length of the last word in the string.

A word is a maximal substring consisting of non-space characters only.

For example:

Input	Result
`Hello World`	5
`fly me   to   the moon`	4

Answer: (penalty regime: 0 %)

```
s=input()
str1= s.split(" ")

for i in str1:
    if(str1.index(i)==len(str1)-1):
        print(len(i))
```

	Input	Expected	Got	
✓	`Hello World`	5	5	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question **3**

Correct

Mark 1.00 out of 1.00

Find if a String2 is substring of String1. If it is, return the index of the first occurrence. else return -1.

Sample Input 1

thistest123string

123

Sample Output 1

8

Answer: (penalty regime: 0 %)

```
def F_I(s1,s2):
    str1=len(s1)
    str2=len(s2)

    for i in range(str1-str2+1):
        if s1[i:i+str2]==s2:
            return i
    return -1


s1=input()
s2=input()
print(F_I(s1,s2))



```

	Input	Expected	Got	
✓	thistest123string 123	8	8	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question **4**

Correct

Mark 1.00 out of 1.00

Consider the below words as key words and check the given input is key word or not.

keywords: {break, case, continue, default, defer, else, for, func, goto, if, map, range, return, struct, type, var}

Input format:

Take string as an input from stdin.

Output format:

Print the word is key word or not.

Example Input:

break

Output:

break is a keyword

Example Input:

IF

Output:

IF is not a keyword

For example:

Input	Result
`break`	`break is a keyword`
`IF`	`IF is not a keyword`

Answer: (penalty regime: 0 %)

```
keywords=["break","case","continue","default","defer","else","for","func","goto","if","m
enter=input()
if enter in keywords:
    print("{} is a keyword".format(enter))
else:
    print("{} is not a keyword".format(enter))
```

	Input	Expected	Got	
✓	`break`	`break is a keyword`	`break is a keyword`	✓
✓	`IF`	`IF is not a keyword`	`IF is not a keyword`	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question **5**

Correct

Mark 1.00 out of 1.00

Write a program to count the duplicates in the given string.

Input Format:
Take String from stdin.

Output Format:
Display the duplicate character and the count of the character.

Example Input:
google w e

Output:

g:2
o:2
e:2

Example Input:

rec

Output:
Not Exists

Answer: (penalty regime: 0 %)

```
s1=input()
s2=""
for i in s1:
    if i.isalnum():
        s2+=i
dup=[]
for c in s2:
    if s2.count(c)>1:
        if c not in dup:
            dup.append(c)
if(len(dup)==0):
    print("Not Exists")
else:
    for i in dup:
        print("{}:{}".format(i,s2.count(i)))
```

	Input	Expected	Got	
✓	google	g:2 o:2	g:2 o:2	✓
✓	REC	Not Exists	Not Exists	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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