Started on	Wednesday, 10 April 2024, 6:00 PM			
State	Finished			
Completed on	Wednesday, 10 April 2024, 7:23 PM			
Time taken	1 hour 23 mins			
Marks	5.00/5.00			
Grade	<b>50.00</b> out of 50.00 ( <b>100</b> %)			
Name	SAKTHI MAHESWARI C 2022-CSD-A			

Question  ${\bf 1}$ 

Correct

Mark 1.00 out of 1.00

 $\begin{picture}(20,0)\put(0,0){\line(1,0){10}}\put(0,0){\line(1,0){10}$ 

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 %)

```
1 s1=str(input())
2 s2=str(input())
3 v if s2 in s1:
4     print(s1.find(s2))
5 v else:
6     print("-1")
```

	Input	Expected	Got	
~	thistest123string 123	8	8	<b>~</b>

Passed all tests! 🗸

Correct

Question  $\bf 2$ 

Correct

Mark 1.00 out of 1.00

▼ Flag question

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

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 %)

1 |s1=str(input())

2 print(s1[::-1])

		Input	Expected	Got		
	~	hello	olleh	olleh	~	
	~	Hannah	hannaH	hannaH	~	
Passed all tests! ✓						
Comment						
-	Marks for this submission: 1.00/1.00.					

Question **3**Correct

Mark 1.00 out of 1.00

♥ Flag question

Write a code to reverse the case of a character input

Input Format:

Single character Input

Output Format:

Reversed character

Example Input:

R

Output:

r

Example Input:

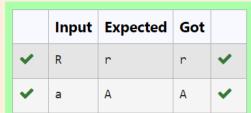
a

Output:

Α

### Answer: (penalty regime: 0 %)

```
1 c1=input()
2 v if c1.isupper():
3     print(c1.lower())
4 v else:
5     print(c1.upper())
```



Passed all tests! 🗸



Question  ${f 4}$ 

Correct

Mark 1.00 out of 1.00

Given a string, determine if it is a palindrome, considering only alphanumeric characters and ignoring cases.

**Note:** For the purpose of this problem, we define empty string as valid palindrome.

### Example 1:

```
Input:
A man, a plan, a canal: Panama
Output:
1
```

### **Answer:** (penalty regime: 0 %)

```
1
   s1=str(input())
    s2=""
 2
 3 v for i in s1:
4 ₹
        if i.isalnum():
 5
            s2+=i
   s2=s2.lower()
6
7 v if s2==s2[::-1]:
        print("1")
 8
9 v else:
        print("0")
10
```

	Input	Expected	Got	
~	A man, a plan, a canal: Panama	1	1	~
~	race a car	0	0	~

Passed all tests! 🗸

Question  ${\bf 5}$ 

Correct

Mark 1.00 out of 1.00

▼ Flag question

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

### Answer: (penalty regime: 0 %)

```
1 |s1=input()
   s2=""
 2
 3 v for i in s1:
4 ▼
        if i.isalnum():
 5
            s2+=i
 6
   dup=[]
7 v for c in s2:
8 🔻
        if s2.count(c)>1:
9 ₹
            if c not in dup:
10
                dup.append(c)
11 v if(len(dup)==0):
12
        print("Not Exists")
13 v else:
14 ▼
        for i in dup:
15
            print("{}:{}".format(i,s2.count(i)))
```

	Input	Expected	Got	
<b>~</b>	google	g:2 o:2	g:2 o:2	<b>~</b>
<b>~</b>	REC	Not Exists	Not Exists	<b>~</b>

Passed all tests! 🗸