Started on	Friday, 5 April 2024, 12:15 PM
State	Finished
Completed on	Friday, 5 April 2024, 1:05 PM
Time taken	49 mins 14 secs
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	SHEEBA SHARON A 2022-CSD-A

Question **1**

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
```

Example 2:

```
Input:
race a car

Output:
0
```

Constraints:

- `s` consists only of printable ASCII characters.

Answer: (penalty regime: 0 %)

```
string= input()
str=""
for i in range(len(string)):
    if(string[i].isalnum()):
        str+=string[i]


if str.lower()==str[::-1].lower():
    print(1)
else:
    print(0)
```

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

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 1.00 out of 1.00

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:

A

For example:

Input	Result
R	r
a	A

Answer: (penalty regime: 0 %)

```
letter=input()
if(letter.isupper()):
    print(letter.lower())
else:
    print(letter.upper())
```

	Input	Expected	Got	
✔	R	r	r	✔

	Input	Expected	Got	
✔	a	A	A	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **3**

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 %)

```
keyword={"break","case","continue","default","defer","else","for","func","goto","if","map","range","re
word=input()
print(word,"is",end=" ")
if word not in keyword:
    print("not",end=" ")
print("a keyword")
```

	Input	Expected	Got	
✔	break	break is a keyword	break is a keyword	✔

	Input	Expected	Got	
✔	IF	IF is not a keyword	IF is not a keyword	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **4**

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 %)

```
str=input()
str=str.split(" ")
print(len(str[-1]))
```

	Input	Expected	Got	
✔	Hello World	5	5	✔

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 get 3 strings as input.

In the 1st string, replace the vowels with “
In the 2nd string, replace the consonants with *
In the third string, convert the lowercase letters to upper case.

Input Format:

Take 3 Strings from stdin

Output Format:

- In the 1st string, replace the vowels with "
- In the 2nd string, replace the consonants with *
- In the third string, convert the lowercase letters to upper case.

Example Input:
Hello
Hi
GoodMorning

Output:
H"ll"
*i
GOODMORNING

Answer: (penalty regime: 0 %)

```
str1=input()
str2=input()
str3=input()
vowel=["a","e","i","o","u"]
for i in range(len(vowel)):
    #print(vowel[i])
    str1=str1.replace(vowel[i],"\"")
for j in range(len(str2)):
    if str2[j] not in vowel:
        str2=str2.replace(str2[j],"*")
print(str1)
print(str2)
print(str3.upper())
```

	Input	Expected	Got	
✔	Hello Hi GoodMorning	H"ll" *i GOODMORNING	H"ll" *i GOODMORNING	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

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