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Started on	Thursday, 9 May 2024, 9:02 PM
State	Finished
Completed on	Thursday, 9 May 2024, 9:28 PM
Time taken	25 mins 20 secs
Marks	5.00/5.00
Grade	50.00 out of 50.00 (100%)
Name	JUNIDE CHRIS A 2022-CSD-A

Question **1**

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 %)

```
1 s = input()
2
3 sub = input()
4
5 print(s.index(sub))
```

	Input	Expected	Got	
✓	thistest123string 123	8	8	✓

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 %)

```
1 a=input()
2 print(a.swapcase())
```

	Input	Expected	Got	
✓	R	r	r	✓
✓	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 %)

```

1 a=str(input())
2 b=['break','case','continue','default','defer','else','for','func','goto','if','map','range','return',
3 if a in b:
4     print("%s is a keyword"%(a))
5 else:
6     print("%s is not a keyword"%(a))
7

```

	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 %)

```

1 def last(string):
2     word = string.split()
3     lastw= word[-1]
4     last= len(lastw)
5     return last
6
7 str=input()
8 print(last(str))

```

	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

Assume that the given string has enough memory.

Don't use any extra space(IN-PLACE)

Sample Input 1

a2b4c6

Sample Output 1

aabbbbcccccc

Answer: (penalty regime: 0 %)

```

1 def string(s):
2     s1=""
3     i = 0
4     while i < len(s):
5         char = s[i]
6         if i + 1 < len(s) and s[i + 1].isdigit():
7             count_str = ""
8             while i + 1 < len(s) and s[i + 1].isdigit():
9                 count_str += s[i + 1]
10                i += 1
11                count = int(count_str)
12                s1 += char * count
13                i += 1
14         else:
15             s1 += char
16             i += 1
17     return s1
18 s = input()
19 print(string(s))

```

	Input	Expected	Got	
✓	a2b4c6	aabbbbcccccc	aabbbbcccccc	✓
✓	a12b3d4	aaaaaaaaaabbddddd	aaaaaaaaaabbddddd	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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