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Started on	Sunday, 21 April 2024, 5:51 PM
State	Finished
Completed on	Sunday, 21 April 2024, 6:26 PM
Time taken	35 mins 15 secs
Marks	5.00/5.00
Grade	50.00 out of 50.00 (100%)
Name	LIVIA MARY SEBASTIAN 2022-CSD-A

Question 1

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 lenW(s):  
2     words=s.split()  
3     if len(words)==0:  
4         return 0  
5     return len(words[-1])  
6 str=input()  
7 res=lenW(str)  
8 print(res)
```

	Input	Expected	Got	
✓	Hello World	5	5	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 1.00 out of 1.00

Verify the given number is cyclic or not.

Input Format

Num1

Num2

Constraints $1 \leq \text{range} \leq 9999999999$ **Sample Input 1**

12345

45123

Sample Output 1

Yes

Sample Input 2

12345

54123

Sample Output 2

No

Answer: (penalty regime: 0 %)

```
1 def is_cyclic(n1,n2):
2     str1=str(n1)
3     str2=str(n2)
4     return len(str1)== len(str2)and str1 in str2 +str2
5 n1=int(input())
6 n2=int(input())
7 if is_cyclic(n1,n2):
8     print("Yes")
9 else:
10    print("No")
```

	Input	Expected	Got	
✓	12345 45123	Yes	Yes	✓
✓	12345 54123	No	No	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question **3**

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 %)

```
1 def rev_str(s):  
2     return s[::-1]  
3 str=input()  
4 reverse=rev_str(str)  
5 print(reverse)
```

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

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question **4**

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 def find_ss(s1,s2):
2     index=s1.find(s2)
3     return index if index!=-1 else -1
4 s1=input()
5 s2=input()
6 res=find_ss(s1,s2)
7 print(res)
```

	Input	Expected	Got	
✓	thistest123string 123	8	8	✓

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))
20

```

	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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