

WEEK 06-Strings

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	50.00 out of 50.00 (100%)
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Question **1**

Correct

Mark 1.00 out of 1.00

Flag question

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 if s2 in s1:
4     print(s1.find(s2))
5 else:
6     print("-1")
```

	Input	Expected	Got	
✓	thistest123string 123	8	8	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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Question **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 `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 s1=str(input())  
2 print(s1[::-1])
```

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

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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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:

A

Answer: (penalty regime: 0 %)

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

	Input	Expected	Got	
✓	R	r	r	✓
✓	a	A	A	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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Question **4**

Correct

Mark 1.00 out of 1.00

Flag question

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

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Question **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()
2 s2=""
3 for i in s1:
4     if i.isalnum():
5         s2+=i
6 dup=[]
7 for c in s2:
8     if s2.count(c)>1:
9         if c not in dup:
10            dup.append(c)
11 if(len(dup)==0):
12     print("Not Exists")
13 else:
14     for i in dup:
15         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.