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Started on	Friday, 17 May 2024, 1:21 PM
State	Finished
Completed on	Friday, 17 May 2024, 1:28 PM
Time taken	6 mins 51 secs
Marks	5.00/5.00
Grade	**50.00** out of 50.00 (**100**%)
Name	NAVEEN RAJ B 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 %)

```python
1  s = input()
2  temp = ""
3  s = s.lower()
4  for i in s:
5      if i.isalpha():
6          temp += i
7
8  if(temp[::-1] == temp):
9      print(1)
10
11  else:
12      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 %)

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

	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

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 %)

```python
 1  s = input()
 2
 3  words = s.split()
 4
 5  Count = []
 6
 7  for i in words:
 8      Count.append(len(i))
 9
10  print(max(Count))
```

	Input	Expected	Got	
✔	Hello World	5	5	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Question **4**

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  s = input()
2
3  l = ["break","case","if","True","False","continue","defer","for","func
4
5  if s in l:
6      print("%s is a keyword"%(s))
7  else:
8      print("%s is not a keyword"%(s))
9
```

	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.

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

Question **5**

Correct

Mark 1.00 out of 1.00

Write a program to get a string from a given string where all occurrences of the first character have been changed to '&', except the first character of the string.

Sample input:

reverse

output

reve&se

For example:

Input	Result
reverse	reve&se

Answer: (penalty regime: 0 %)

```
1  s = input()
2
3  letter = s[0]
4
5  s = s.replace(letter,"&")
6
7  s = letter + s[1:]
8
9  print(s)
```

	Input	Expected	Got	
✔	reverse	reve&se	reve&se	✔
✔	samples	sample&	sample&	✔
✔	abcdabcd	abcd&bcd	abcd&bcd	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

◄ Week-06_MCQ

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