Practice Quiz: Strings

TOTAL POINTS 5

The is_palindrome function checks if a string is a palindrome. A palindrome is a string that can be equally
read from left to right or right to left, omitting blank spaces, and ignoring capitalization. Examples of
palindromes are words like kayak and radar, and phrases like "Never Odd or Even". Fill in the blanks in this
function to return True if the passed string is a palindrome, False if not.

1/1 point



Using the format method, fill in the gaps in the convert_distance function so that it returns the phrase "X
miles equals Y km", with Y having only 1 decimal place. For example, convert_distance(12) should return "12
miles equals 19.2 km".

1/1 point

```
1 v def convert_distance(miles):
2    km = miles * 1.6
3    result = "{} miles equals {:.1f} km".format(miles,km)
4    return result
5
6    print(convert_distance(12)) # Should be: 12 miles equals 19.2 km
7    print(convert_distance(5.5)) # Should be: 5.5 miles equals 8.8 km
8    print(convert distance(11)) # Should be: 11 miles equals 17.6 km
Run
Reset
```



3. If we have a string variable named Weather = "Rainfall", which of the following will print the substring or all characters before the "f"?

1/1 point

print(Weather[:4])

print(Weather[4:])

print(Weather[1:4]) print(Weather[:"f"])



✓ Correct

Nice job! Formatted this way, the substring preceding the character "f", which is indexed by 4, will be printed.

4. Fill in the gaps in the nametag function so that it uses the format method to return first_name and the first initial of last_name followed by a period. For example, nametag("Jane", "Smith") should return "Jane S."

1/1 point

```
1 * def nametag(first_name, last_name):
2    return("{} {:.1s}.".format(first_name,last_name))
3
4 print(nametag("Jane", "Smith"))
5 # Should display "Jane S."
6 print(nametag("Francesco", "Rinaldi"))
7 # Should display "Francesco R."
8 print(nametag("Jean-Luc", "Grand-Pierre"))
9 # Should display "Jean-Luc G."
                                                                                                                                                                                                                                                                        Run
                                                                                                                                                                                                                                                                       Reset
```



✓ Correct

Great work! You remembered the formatting expression to limit how many characters in a string are displayed.

1/1 point

5. The replace_ending function replaces the old string in a sentence with the new string, but only if the sentence ends with the old string. If there is more than one occurrence of the old string in the sentence, only the one at the end is replaced, not all of them. For example, replace_ending("abcabc", "abc", "xyz") should return abcxyz, not xyzxyz or xyzabc. The string comparison is case-sensitive, so replace_ending("abcabc", "ABC", "xyz") should return abcabc (no changes made).



Outstanding! Look at all of the things that you can do with these string commands!