Python Programming for Kids

Coding Homework for week 2

Using variables, string functions, print, format strings

Problem 1:

Do not use a calculator. Calculate the perimeter of a rectangle with a length of 1233.75 feet and height of 637.84 feet. Your output should be like this (replace the xxx with the actual number):

The perimeter of the rectangle is xxx feet.

Challenge question: how to output float numbers with only two digits after decimal point. for example 12.02 instead of 12.0200001.

[Hint on StackOverflow.com (https://stackoverflow.com/questions/455612/limiting-floats-to-two-decimal-points)](https://stackoverflow.com/questions/455612/limiting-floats-to-two-decimal-points)

Problem 2:

Write a one line program to print two sentences in the format as shown below:

Twinkle, twinkle, little star,

   How I wornder what you are!

Problem 3:

Write a Python program to swap the value of two variables. a = 10 b = 20 ''' put your code of swapping a and b here''' print('a=', a, 'b=', b)

The result should be "a=20 b=10

Problem 4:

Write a Python program to count the number of occurrence of a specific character in a string.

for example:

The target string is: The quick brown fox jumps over the lazy dog.

total 'o' in the target string: 4

Problem 5:

Write a Python program to replace all of the letter 'a' in the user input word with letter '@'

for example, for string 'restart', the output will be 'rest@rt'

(hint, Google "Python, string replace")

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