

Using An Entire List Within A Function

Problems:

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0.initial setup:

a.create a variable and assign it a list of all integers

1.printing a list's elements using a for loop in a function:

a.create a function that will take a list as its input and prints that list's elements using a for loop

b.call the function you created in step 1.a. with the list you created in step 0.a. as its input.

2.generating lists using range():

a.use range() to generate a list that starts at 0 and ends at and includes 9 (range should only have 1 input.)

Assign

this range() to a variable

b.use range () to generate a list that starts at 4 and ends at and includes 7 (range should only have 2 inputs.)

Assign

this range() to a variable

c.use range to generate a list that starts at 5, increments up in steps of 5, and ends at and includes 20 (range should

have 3 inputs.) Assign this range() to a variable.

3.passing a list made using a range into a function:

a.create a function that takes and returns 1 input

b.print a call of the function you created in step 3.a. with the range you made in step 2.a. as its input

4.iterating through a list using range() and a for loop:

a.create a function that uses a for loop and a range (as was shown in the lecture video) to print all of the elements

from a list.

b.call the function you created in step 4.a. with the range you made in step 2.b. as its input.

5.modifying elements from a list using range:

a.Create a function that uses a for loop and a range() to iterate through and add 3 to each of the elements from a list.

The function should print the modified list.

b.call the function you created in step 5.a. with the list you made in step 0.a. as its input.

6.passing multiple lists into a function:

a.Create a function that takes and prints 2 inputs.

b.Call the function you created in step 6.a. with the list you modified in step 5.b. and the range() you made in step

2.c.

7.Iterating through a list of lists using a function:

a.Create a list that contains 3 lists. Each of those lists should be composed of all strings.

*b. Create a function that appends all of the strings from the list you made in step a into a new, single list.
(This function should use 2 for loops.) This function should print the new list.
c. Call the function you made in step 7.b. using the list you created in step 7.a. as its input.*

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