Assignment 1

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Exercise In this exercise, you will need to add numbers and strings to the correct lists using the "append" list method. You must add the numbers 1,2, and 3 to the "numbers" list, and the words 'hello' and 'world' to the strings variable. You will also have to fill in the variable second_name with the second name in the names list, using the brackets operator []. Note that the index is zero-based, so if you want to access the second item in the list, its index will be 1. IPython Shell 0 script.py numbers = [1,2,3] strings = [] names = ["John", "Eric", "Jessica"] strings = [name for name in names] # write your code here second_name = names[1] [1, 2, 3] ['John', 'Eric', 'Jessica'] The second name on the names list is Jessica <script.py> output: [1, 2, 3] ['John', 'Eric', 'Jessica'] The second name on the names list is Eric # this code should write out the filled arrays and the second name in the names list (Eric). 9 10 print(numbers) 11 print(strings) 12 print("The second name on the names list is %s" % second_name) In [1]:

Solution

Run

Exercise The target of this exercise is to create two lists called x_list and y_list, which contain 10 instances of the variables x and y, respectively. You are also required to create a list called big_list, which contains the variables x and y, 10 times each, by concatenating the two lists you have created. 0 script.py IPython Shell 1 x = object() 2 y = object() <script.py> output: x_list contains 10 objects y_list contains 10 objects big_list_contains 20 objects # TODO: change this code x_list = [x]*10 y_list = [y]*10 big_list = x_list+y_list| Almost there... Great! print("x_list contains %d objects" % len(x_list)) print("y_list contains %d objects" % len(y_list)) print("big_list contains %d objects" % len(big_list)) In [1]: 13 # testing code 14 * if x_list.count(x) == 10 and y_list.count(y) == 10: 15 print("Almost there...") 16 v if big_list.count(x) == 10 and big_list.count(y) == 10: 17 print("Great!") Solution











