

Assignment 3 – PYTHON LISTS

Due: 4:30pm, May 8

Worth: 2% of your final mark

Topic: Python lists

This assignment is marked out of 20

For Assignment 3, a program containing the skeleton and testing code for the 7 Assignment 3 questions has been posted on the CompSci 101 Assignments website. Download this program from the CompSci 101 assignments website:

<https://www.cs.auckland.ac.nz/courses/compsci101s1c/assignments/>

Develop the solution to each function in the program. Once you are happy that your function executes correctly, submit the whole function to CodeRunner:

<https://coderunner2.auckland.ac.nz/moodle/>

When you press the SUBMIT button in CodeRunner, you will receive immediate feedback telling you if you have passed all the tests for the question. You can submit as many times as you like. You need to submit one function at a time.

#Assignment 3 Questions -

```
#-----  
# 1111111111111111111111111111111111111111111111111111111  
# Returns the average of a list of numbers (excluding  
# all zeroes, all negative numbers and excluding the  
# minimum and maximum positive numbers) - 3 marks  
#-----  
  
"""  
Define the get_funny_average() function which is passed a list of numbers as  
a parameter and returns the average of some of the numbers in the parameter  
list. The function returns the average of the remaining numbers (rounded to  
1 decimal place) after all the following have been excluded from the  
parameter list of numbers (if they exist in the list):  
  
    • all zeroes,  
    • all negative numbers,  
    • the smallest positive number  
and  
    • the largest positive number,  
  
For example, the following code:  
  
print("1. Funny average: ", get_funny_average([ 3, 2, 0, 25, 1]))  
print("2. Funny average: ", get_funny_average([-6, -32, 2, 0, -51, 1, 0,  
0]))  
print("3. Funny average: ", get_funny_average([56, 32, 2, 22, 22]))  
print("4. Funny average: ", get_funny_average([-56, -3, 0, -21, 0, 0, 5]))  
print("5. Funny average: ", get_funny_average([56, 3, 2, 0, 251, 1, 41,  
22]))  
print("6. Funny average: ", get_funny_average([-56, -3, 2, 0, -251, 1, -41,  
0]))  
print("7. Funny average: ", get_funny_average([]))  
  
prints:  
  
1. Funny average: 2.5  
2. Funny average: 0  
3. Funny average: 25.3  
4. Funny average: 0  
5. Funny average: 24.8  
6. Funny average: 0  
7. Funny average: 0  
"""  
  
def get_funny_average(numbers):  
    return 0
```


