

./Programming Fundamentals using Python - Part 01/Assignment Set - 02/Assignment on nested iter

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1: """
2: Write a python program which finds the maximum number from num1 to num2 (num2 inclusive) based on the following rules.
3:
4:
5: 1. Always num1 should be less than num2
6: 2. Consider each number from num1 to num2 (num2 inclusive). Populate the number into a list,
7: if the below conditions are satisfied
8:     a. Sum of the digits of the number is a multiple of 3
9:     b. Number has only two digits
10:    c. Number is a multiple of 5
11: 3. Display the maximum element from the list
12:
13: In case of any invalid data or if the list is empty, display -1.
14: """
15:
16:
17: def find_max(num1, num2):
18:     max_num = -1
19:     if num1 >= num2:
20:         return -1
21:     else:
22:         for i in range(num1, num2 + 1):
23:             if 9 < i < 100 and i % 3 == 0 and i % 5 == 0:
24:                 max_num = i
25:
26:         return max_num
27:
28:
29: max_num = find_max(10, 15)
30: print(max_num)
```