

Problem Set 5, Problems 6, 7 and 8

Problem 6: Practicing function calls and variable scope

global variables

a	b	c
3	5	2
14	5	2

foo's local variables

a	b	c
5	2	
9	4	
9	4	6
9	4	18

mystery's local variables

c	a
9	
9	12
9	6
4	
4	7
4	8

output (the lines printed)

3 5 2

foo 9 4 6

foo 9 4 14

14 5 2

Problem 7: Reviewing the range function

7-1)

a) [0, 1, 2]

b) [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

c) [5, 6, 7, 8, 9]

d) [10, 11, 12, 13, 14, 15, 16, 17, 18, 19]

e) [0, 3, 6, 9]

f) [10, 8, 6, 4, 2]

7-2)

a) range(5)

b) range(3, 7)

c) range(20, 10, -3)

Problem 8: Understanding loops

IMPORTANT: This heading should appear at the very top of the second page.

8-1)

i	values[i]	values[i-1]	count
-	-	-	0
0	8	6	1
1	5	8	1
2	3	5	1
3	7	3	2
4	1	7	2
5	6	1	3

return value = 3

8-2)

a	b	value printed
12	4	12 4
8	4	5
5	2	3
3	1	2
2	0	2