Problem Set 6, Problems 0, 1, and 2

Problem 0: Reading and response
Put your response to the reading below.
IMPORTANT: Your entire response should fit on this page.

I think that the best way to ensure that computational models are correct is to test them rigorously test them under controlled circumstances that we understand. However, in situations in which there are factors that hard to determine, human reactions in this case. It basically becomes impossible to guarantee that the model will be completely accurate. This is because there are certain assumptions that may be made about the decisions people take that most rational people would do, but the human mind isn't always rational. Sometimes we make decisions without a clear thought which would deviate from the model quite a bit and make it impossible to be accurate. That is why it is so hard to create models that are completely accurate when it comes to certain areas like economics

Problem 1: Tracing function calls

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

global variables

a	b	c
2	3	8
2	6	8

foo's local variables

a	b	c
8	2	3
12	2	3
12	2	6
17	2	6

bar's local variables

a	c	b
6	12	10
6	12	17

mystery's local variables

c	a
6	9
6	10
12	15
12	7

output (the lines printed by the program)

```
2 3 8
foo 12 2 6
bar 6 10 12
foo 17 2 6
2 6 8
```

Problem 2: Understanding loops

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

2-1)

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`

2-2)

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