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.

In light of the reading, make an argument for how computational models help and/or hurt society. You are welcome to stake out a middle position, or to take a strong stand on either side. Just make sure that your argument is informed by the reading.

From the two articles, I assured that computational models definitely help society. In the first article, even the first bell- curve was not perfect, it was a guideline for most of the banks now. The Problem was not the computational models, but the short - term calculation. There are still way more options and ways to fix the calculation. The one solution is the power curve, which also can be performed with computational models. It also has a limitation, which cannot predict the right time but how often the big wave will hit the market. I strongly support that this will also be fixed with later on AI technology. Secondly, in the weather article, the computer model predicted that by 2046~47 the earth will have the hottest weather that never been experienced before. It was also able to calculate because of the power of the computer. The only way to fix is either cutting greenhouse gas to decrease the emission or people from the tropic have to move to other places to get away from the heat. However, most of the people from these places are usually too poor to move away from their habitat. From the computational models, Mankind actually earned close to 30 years to figure out this global problem. Without the evolution of technology, it would be impossible to prevent to save people from this future extreme weather.

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	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
	10
12	15
	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