Pointer Challenge Question

Write a C program that declares:

- An int called x
- A pointer to an int called a
- A pointer to a pointer to an int called b
- A pointer to a pointer to a pointer to an int called c

Now,

1. Assign the value 3 to x.
2. Make a point to the address of x.
3. Make b point to the address of a.
4. Make c point to the address of b.
5. Print out the values of x, a, b, c.
   a. What is the output?
6. Using c change the value of x to 4.
7. Print out the value of x, a, b, c.
   a. What is the output?

Why?