Quiz #7

Time: 10 minutes

15 July 1992

0. What's your name?

Professor Spuyten, a noted eccentric, doesn't like to use the `++` operator because he says reminds him of eyes looking at him. He has written the following program:

```
int main(void)
{
   int foo = 52;

   increment(foo);
   /* foo should be 53 by now.  */
   printf("The value of foo is now %d.\n", foo);

}

void increment(int n)
{
   n += 1;
   return;
}
```

He explains: "Since I don't like the increment operator, I wanted to write a function to do the same thing. I thought that if I did `increment(foo)`, the value of `foo` would get bumped up to 53. But it didn't work."

1. What does Professor Spuyten's program print out, and why doesn't it print 53?

2. Correct Professor Spuyten's program so that it does what he wanted.

3. There are at least three other errors in Spuyten's program. Find them.

Answer on the other side of this sheet.