Name:	Date:	Class:	

Explain Some Python Code

```
# this is a simple Python Program
    #It shows how to define a variable,
 2
 3
    #define a function and use a list and
 4
    #a simple for loop.
    print "Hi everybody!"
 6
    print x*2
 8
 9
10
    def g(x):
11
         return 2*x
12
    print "Output 1"
13
    print g(7)
print "#######"
14
15
16
17
     list1 = [1,2,3,4,5,6,7,8,9,10]
18
    print "Output 2"
for i in list1:
19
20
     print g(i)
print "#######"
21
22
```

- 1. Retype, compile and execute the code using the Python compiler.
- 2. As part of your analysis, answer the following questions:
 - What is the purpose of the quotation marks used in print statements?
 - Is x = 8 the same as 8 = x?
 - Does the indentation matter?
 - How does the 'for' loop work?
- 3. Next, make some changes to the code based on your analysis, then recompile and execute the code again. For example try 8 = x instead of x = 8 or change the x = 8 to x = 3, etc. Did your changes to the code work the way you expected they would, based on your prior analysis and experience? Explain.