

Python Study Guide

Make sure you know:

- How to use `print` to display words and variables.
- How to make a variable, assign a variable (`=`), and compare variables (`=`, `<`, `>`, `<=`, `>=`)
- How to use `raw_input` to get words and numbers.
- How to define and call a function.
- What are arguments, and how do you send arguments to a function.
- How to use `return`, and what is different between a function that uses `return` vs. a function that does not.
- Understanding and making your own `if` statements, and chains of `if-elif-else`,
- Using `while` loops to repeat code
- Anything else from the assignments! So read the assignment descriptions over again.

The test will be written on paper, so you will be reading code and proving you understand it more than writing code (although you will still have to write some simple code).

Here's an example question: What is the output of the following program?

```
# begin program -----  
  
def combinationLock (x, y, z):  
    if x == 35 and y == 14 and z == 56:  
        return "You opened the lock!"  
    elif x == 14 and y == 56 and z == 35:  
        return "You failed, but you're close!"  
    elif x == 56 and y = 35 and z == 14:  
        return "You failed here too, but you're close!"  
    else:  
        return "Not even close!"  
  
S = 56  
C = 14  
V = 35  
  
answer = combinationLock (V, C, S)  
print answer  
  
# end program -----
```

The answer is "You opened the lock!"