CSC 180, Exam I

Exam I Notes

- You may bring one page of notes (front and back) to the exam. This page may be handwritten or typed.
- Computer access will not be permitted during the exam.
- Cell phones must be put away at all times
- Don't hesitate to contact me if you have any questions!

Exam I Concepts

- Writing an algorithm to solve a problem, using *computable* instructions:
    o get a value from a user and store it in a variable
    o set a variable to a particular value
    o calculate a value, and store it in a variable
    o output information (some combination of text, variable values, or values of an expression)
    o if a condition is true, do something
    o if a condition is true, do something; otherwise, do something else
    o if a condition is true, do something; otherwise, if another condition is true, do something else, etc
    o Repeat something a specific number of times
    o Repeat something *while* a condition is true
    o Do something for each item in a sequence
    o Create a list
    o Access a specific element of a list or string
- Writing an algorithm by directing the Turtle to draw:
    o Move forward a certain distance
    o Move backward a certain distance
    o Turn left or right a certain number of degrees
    o Pick the pen up or put the pen down
    o Go to a specific position

- You should be able to implement each of the above instructions using Python