Lab #2

Exploring Classes

Write a definition of a class that has the following properties.

- 1. The name of the class is secretType.
- 2. (Private) The class secretType has four member variable: name (a string), age and weight (int), height (double)
- 3. (Public) The class secretType has the following member functions: (Make the accessor functions const)
 - a. print outputs the data in the member variables in a nice format
 - b. constructor that sets the name, age, weight and height
 - c. getName value returning function returns the name
 - d. getAge value returning function returns the height
 - e. getWeight value returning function returns the weight
 - f. weightStatus value returning function that returns a string according to the following chart (taken from:

http://www.whathealth.com/bmi/formula.html
You can find the formula for BMI (body mass index) at that same site):

BMI	Weight Status
Below 18.5	Underweight
18.5 -24.9	Normal
25 - 29.9	Overweight
30 & Above	Obese

- 4. Write definitions of all the member functions of class secretType.
- 5. Complete the program and capture the output of 3 runs in a word document