ICS Fall 2017
Lab Exercises Week 8

Cuboid & CCuboid(OOP Inheritance)

This problem has two parts.

Part 1: Write a simple `Cuboid` class with the following attributes and methods:
Attributes:
length, width, height (all three are integers)

Methods:

- An initializer `__init__(self,l,w,h)` which sets the Cuboid instance's length, width and height from user-provided arguments.
- A method `get_area(self)` which takes no arguments and returns the Cuboid's surface area (2*length*width + 2*width*height + 2*height*length)
- A method `get_volume(self)` which takes no arguments and returns the Cuboid's volume (length*width*height)

Once you have written the class, create one instance of it with a random length, width, and height. Print out the `Cuboid` instance's dimensions (length, width, height), surface area and volume as the following random example:

Length: 2, Width: 18, Height: 1, AREA: 112, VOLUME: 36

Part 2: Inherit the `Cuboid` class and make a `CCuboid` class, which has get/set method to set color: `get_color(self), set_color(self, clr)`. Now print out an instance of this class will additionally print the color as well.
Save your work as **cuboid_student.py**.