Basic Python

Lab Exercise 5

1. Classes

1A. Rewrite Lab 1

Rewrite Lab 1. Create classes for each type of Shape. Also, create a base class *Shape* and have the other classes inherit from Shape.

1B. Epub database

In the data directory there is a file called *ebook2016.csv*. Use this file for the lab.

A. Read the file. Create an *ebook* object for each ebook listed.

B. Create a dictionary that stores the ebook objects. Use the ISBN as the key.

C. Allow the user to query the dictionary, specifically, allow the user to specify only books that are available after a certain date. Use the *datetime* module to help you.

D. Allow the user to list only active books

E. Create a list of subjects from the Subject field. Use this to allow users to query books by subject.