

CMPS 150

Spring 2017

Programming Assignment #8

Date Assigned: Monday, April 3, 2017

Due Date: 11:55 PM, Saturday, April 8, 2017

Objectives:

- Object-oriented programming

- 1) Include the following information as comments at the beginning of your source code. Name it **pa8.py**
BE SURE it lines up nicely as you see it below.

```
# Author:          Type-Your-Name
# CLID:           Type-Your-CLID
# Course/Section:  CMPS 150 - Lecture Section # ____
# Assignment:      pa8
# Date Assigned:   Monday, April 3, 2017
# Date/Time Due:   Saturday, April 8, 2017 -- 11:55 pm
#
# Description:     Write a brief description.
#
# Certification of Authenticity:
# I certify that this assignment is entirely my own work.
```

2) Program Description

Write the definition of a class for a class named **Account**. This class will be used to simulate a bank account. The class must have 3 data fields. They are: **balance**, **totalDeposits**, **totalWithdrawals**. The initializer method for the class will be passed three(3) parameters. The names for these parameters will be: **balanceIn**, **depositIn**, **withdrawIn**. The data fields of the class should be initialized to the values of these parameters.

There must be another class method named **GetBalance**. It is passed no parameters. It returns the data field **balance**.

NOTE: Do not forget the **self** parameter in both the initializer and **GetBalance** methods.

When done writing the class definition, copy and paste the remaining code provided on the Moodle site into your **pa8.py** source code file. It is **main** function that will “use” your class. If written properly, your sample run should look the same as the sample run below.

3) Sample Run

Enter the following for the first account:

Beginning balance, total deposits and total withdrawals: 200,0,0

Enter the following for the second account:

Beginning balance, total deposits and total withdrawals: 500,0,0

First account balance: \$ 200

Second account balance: \$ 500

4) Upload to Moodle

Get in a browser and login to Moodle.

Instead of going to the Lecture Section, go to your UPLOAD section on the Moodle site.

Click on the link for Programming Assignment #8.

Select to “Add a Submission” then “Upload a File”

Select to “Choose a File” and go about the process of browsing/finding “**pa8.py**” on the computer.

Select to “Upload this File”

When returned to the Upload screen, MAKE SURE to click on the “Save Changes” button.

You will be returned to the “Programming Assignment #8” screen.

This time you should see your source code file listed on it.

5. Logout of Moodle

***You can turn in programs
up to 24 hours late for a maximum of 75% credit
or up to 48 hours late for a maximum of 50% credit***