CIS 3502 // HW #1 // Spring 2019

Date Assigned: January 17, 2018
Date Due: January 25, 2018

Submission Format

You will submit a soft copy of your solution using e-Learning (http://elearning.ufl.edu) by the end of the day (23:59 / 11:59 PM) on the assigned date (January 25). Save your solution as a **java** file and name file **Account** (Account.java).

Assignment

At the top of every solution file you submit this semester include: your name, section number, the assignment number, and the date the assignment is due. Then, solve the following problems. Provide a comment before each problem with the problem number, identifying the problem you are solving.

<u>Problems</u>

1. Implement Java code for the class Account. An Account has a *double* property *balance*, the balance of money in the Account. Create two constructors (default and initialization), accessor (get/set) methods, a *printInfo* method, a *toString* method, a method *deposit* that will increase the balance by a specified amount returning nothing, and a method *withdraw* that will decrease the balance by a user specified amount returning the amount withdrawn. **Note**: you will perform no error checking, so the account balance is allowed to become negative.

2. Consider the class Vacation. What are the properties and methods of a Vacation? Propose types and names for all the properties of the class Vacation. Include your answer to this problem within a comment (note, this is an essay question / answer, not complete Java code for you to construct). This problem and your answer is to be given after the class Account from Problem #1 in the same file (Account.java).