**IS201 Fundamentals of Computing**

**HOP06 Classes & Intro to Object-Oriented Programming**

**Challenges**

You can choose 1 problem from the problems below to solve. You do not need complete all challenges; however, you are welcomed to. *Note: Challenges will not be counted in the grades.*

**Problem 1.**

* Write a Python class called ReturnInput which has two methods get\_Input and print\_Input. get\_Input accept any input from the user and print\_Input print the input.
* Then create 2 instances of class ReturnInput.
  + One is called ReturnString, which only accepts inputs of type string, and print the input in all upper case.
  + The other instance is called ReturnNum, which only accepts numeric inputs. All returned values must be integers (if the input is a decimal number, you must return a rounded integer).

**Problem 2**

Create a bank account class that has two attributes:

* owner
* balance

and two methods:

* deposit
* withdraw

As an added requirement, withdrawals may not exceed the available balance.

Instantiate your class, make several deposits and withdrawals, and test to make sure the account can't be overdrawn.