Program for Bank Account

Quiz Two

Programmed by Sergio H. Nunez

Presented to Bari MA Siddique

June 24th of 2016

**Problem on Classes and Inheritances** (Bank Account)

This program demonstrates the Account class. creates an Account object with an account id of 1122,

a balance of $20,000, and an annual interest rate of 4.5%. Use the withdraw method to withdraw $2,500, use the deposit method to deposit $3,000, and print the id, balance, monthly interest rate, and monthly interest.

# Source Code for Assignment Two:

# The Account class simulates a bank account.

# Quiz on Classes and Inheritances Part One:

class Account:

\_\_interestRate = .045

# Defining priviate variables

def \_\_init\_\_(self, bal):

self.\_\_balance = bal

def id(self, number):

self.\_\_id = number

def interest(self, intrate):

self.\_\_interest = intrate

# The deposit method makes a deposit into the

# account.

def deposit(self, amount):

self.\_\_balance += amount

# The withdraw method withdraws an amount

# from the account.

def withdraw(self, amount):

if self.\_\_balance >= amount:

self.\_\_balance -= amount

else:

print('Error: Insufficient funds')

# The monthlyinterestrate method returns interest

def get\_interest(self, amount):

return self.\_\_balance + amount \* intrate

# The get\_balance method returns the

# account balance.

def get\_balance(self):

return self.\_\_balance

def get\_interest(self):

return self.\_\_interest

===================TEST PROGRAM

# The Account class simulates a bank account.

# Quiz on Classes and Inheritances Part One:

class Account:

\_\_interestRate = .045

# Defining priviate variables

def \_\_init\_\_(self, bal):

self.\_\_balance = bal

def id(self, number):

self.\_\_id = number

def interest(self, intrate):

self.\_\_interest = intrate

# The deposit method makes a deposit into the

# account.

def deposit(self, amount):

self.\_\_balance += amount

# The withdraw method withdraws an amount

# from the account.

def withdraw(self, amount):

if self.\_\_balance >= amount:

self.\_\_balance -= amount

else:

print('Error: Insufficient funds')

# The monthlyinterestrate method returns interest

def get\_interest(self, amount):

return self.\_\_balance + amount \* intrate

# The get\_balance method returns the

# account balance.

def get\_balance(self):

return self.\_\_balance

def get\_interest(self):

return self.\_\_interest

# OUTPUT:



