###atm.py first file page

#James Dumitru

#ITM 313

import getpass

import sys

account\_balance=float(0.00) #Starting balance is 0, you have to deposit money, so go crazy.

interest=float(0.01)

#exit

def exit(): # If you exit, it will display interest accrued, and automatically added into account.

print(“Thank You!\n Have A Nice Day!\n Total Interest: $%.2f\n Your New Balance: $%.2f” % (calculateinterest(), accountbalance+calculate\_interest()))

sys.exit()

#interest attempt

def calculate\_interest():

global account\_balance

return account\_balance \* interest

#Withdraw

def withdraw():

global account\_balance

withdrawl\_amount=float(input(“Please Enter The Amount You Would Like To Withdraw: “))

if withdrawl\_amount<0:

print(“No Negative Numbers Allowed!”)

menu()

elif withdrawlamount>accountbalance:

print(“Not Enough! Check Your Balance Again!”)

menu()

else:

accountbalance = accountbalance - withdrawl\_amount

print(“Witdraw Amount: $%.2f\nTotal Balance: $%.2f” % (withdrawlamount,accountbalance))

menu()

#Deposit

def deposit():

global account\_balance

deposit\_amount=float(input(“Please Enter The Amount You Want To Deposit: “))

if deposit\_amount<0:

print(“No Negative Numbers Allowed!”)

menu()

else:

accountbalance = accountbalance + deposit\_amount

print(“Amount Deposited: $%.2f\n New Balance: $%.2f ” % (depositamount,accountbalance))

menu()

#Login

def login():

username=str(input(“Please Enter Your Username: “)) #pick a username

password=getpass.getpass(“Please Enter Your Password: “) #pick a password

if password==password: #if you have a password and want to check error, change to “password” and test it. It will say error if not “password”.

print(“Hello %s!\n Your Current Account Balance is: $%.2f \n Total Interest: $%.2f\n” % (username,accountbalance,calculateinterest()))

menu()

#error check

else:

print(“wrong password try again”) #wrong password, try again

login()

#Navigation Menu

def menu():

global account\_balance

choice=input(“What Do You Want To Today?\n1. Withdraw From My Account.\n2. Deposit Into My Account.\n3. Exit The Menu.\n”)

if choice == “1”:

withdraw() #withdraw money

if choice == “2”:

deposit() #deposit money

#if choice == “3”:

#calculate\_interest() # The interest is displayed at the end of the code when you exit, it will say total interest along with total balance.

else:

exit() #if choose a different number than menu option, program ends.

#call.py file is needed to run this code!

#call.py second file page

#James Dumitru

#ITM 313

from atm import login

if name==“main”:

login()

#atm.py file is needed to run this code!