def main():

acctName = []

acctVal = []

numAccts = 0;

trans\_data = []

flg = True

while flg:

print("1) Create new account")

print("2) Credit/Debit an account")

print("3) List all accounts")

print("4) List account history")

print("5) Quit")

act = int (input("Enter desired act number: "))

if act == 1:

numAccts = createAccount(acctName, acctVal, accounts, trans\_data)

elif act == 2 :

credDeb(acctName, acctVal, trans\_data)

elif act == 3 :

ListAcc(acctName, acctVal, numAccts)

elif act == 4 :

ListTransaction(acctName, acctVal, numAccts, trans\_data)

elif act == 5 :

flg = False

def createAccount(acctName, acctVal, accounts, trans\_data):

name = input("Enter your first and last name: ")

amount = int (input("Enter your starting balance for your account: "))

acctName.append(name)

acctVal.append(amount)

trans\_data.append([amount])

accounts = accounts + 1

print(" New account created for", name, "(Account #", numAccts, ")")

return accounts

def credDeb(acctName, acctVal, trans\_data):

acctNum = int (input("Please enter your account number: "))

amtChange = int (input("Please enter the amount you would like to credit or debit: "))

trans\_data[acctNum - 1].append(amtchange)

personName = acctName[acctNum - 1]

acctVal[acctNum - 1] = acctVal[acctNum - 1] + amtchange

if amtchange > 0:

trans = "credited"

else:

trans = "debited"

print(personName, "(Account #", acctNum, ")", trans, "$", abs(amtChange))

print("New Balance: $", acctVal[acctNum - 1])

def ListAll(acctName, acctVal, numAccts):

for x in range(0,numAccts):

print(x, " ", acctName[x], " $", acctVal[x])

def ListTransaction(acctName, acctVal, numAccts, trans\_data):

acctnum = int (input("Please enter your account number: "))

personName = acctName[acctnum - 1]

print("(Account #", acctnum, ")", personName)

current = trans\_data[acctnum - 1][0]

if len(trans\_data[acctnum - 1]) == 1:

print(cur)

for x in range(1, len(trans\_data[acctnum - 1])):

print("Account amount: $", curr, " ", "amount changed: $", trans\_data[acctNum - 1][x])

cur = cur + trans\_data[acctnum - 1][x]

print(cur)

main()

CODE CREDITS: Jathin Reddy Gunddam.