import getpass

import string

import os

# creatinga lists of users, their PINs and bank statements

users = ['user1', 'user2', 'user3']

pins = ['1234', '2222', '3333']

amounts = [1000, 2000, 3000]

count = 0

# while loop checks existance of the enterd username

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("\* \*")

print("\* Welcome to IT SOURCECODE ATM SYSTEM \*")

print("\* \*")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

while True:

user = input('\nENTER USER NAME: ')

user = user.lower()

if user in users:

if user == users[0]:

n = 0

elif user == users[1]:

n = 1

else:

n = 2

break

else:

print('----------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('INVALID USERNAME')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('----------------')

# comparing pin

while count < 3:

print('------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

pin = input('PLEASE ENTER PIN: ')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('------------------')

if pin.isdigit():

if user == 'user1':

if pin == pins[0]:

break

else:

count += 1

print('-----------')

print('\*\*\*\*\*\*\*\*\*\*\*')

print('INVALID PIN')

print('\*\*\*\*\*\*\*\*\*\*\*')

print('-----------')

print()

if user == 'user2':

if pin == pins[1]:

break

else:

count += 1

print('-----------')

print('\*\*\*\*\*\*\*\*\*\*\*')

print('INVALID PIN')

print('\*\*\*\*\*\*\*\*\*\*\*')

print('-----------')

print()

if user == 'user3':

if pin == pins[2]:

break

else:

count += 1

print('-----------')

print('\*\*\*\*\*\*\*\*\*\*\*')

print('INVALID PIN')

print('\*\*\*\*\*\*\*\*\*\*\*')

print('-----------')

print()

else:

print('------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('PIN CONSISTS OF 4 DIGITS')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('------------------------')

count += 1

# in case of a valid pin- continuing, or exiting

if count == 3:

print('-----------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('3 UNSUCCESFUL PIN ATTEMPTS, EXITING')

print('!!!!!YOUR CARD HAS BEEN LOCKED!!!!!')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-----------------------------------')

exit()

print('-------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('LOGIN SUCCESFUL, CONTINUE')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-------------------------')

print()

print('--------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print(str.capitalize(users[n]), 'welcome to ATM')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('----------ATM SYSTEM-----------')

# Main menu

while True:

#os.system('clear')

print('-------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

response = input('SELECT FROM FOLLOWING OPTIONS: \nStatement\_\_(S) \nWithdraw\_\_\_(W) \nLodgement\_\_(L) \nChange PIN\_(P) \nQuit\_\_\_\_\_\_\_(Q) \nType The Letter Of Your Choices: ').lower()

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-------------------------------')

valid\_responses = ['s', 'w', 'l', 'p', 'q']

response = response.lower()

if response == 's':

print('---------------------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print(str.capitalize(users[n]), 'YOU HAVE ', amounts[n],'EURO ON YOUR ACCOUNT.')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('---------------------------------------------')

elif response == 'w':

print('---------------------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

cash\_out = int(input('ENTER AMOUNT YOU WOULD LIKE TO WITHDRAW: '))

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('---------------------------------------------')

if cash\_out%10 != 0:

print('------------------------------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('AMOUNT YOU WANT TO WITHDRAW MUST TO MATCH 10 EURO NOTES')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('------------------------------------------------------')

elif cash\_out > amounts[n]:

print('-----------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('YOU HAVE INSUFFICIENT BALANCE')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-----------------------------')

else:

amounts[n] = amounts[n] - cash\_out

print('-----------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('YOUR NEW BALANCE IS: ', amounts[n], 'EURO')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-----------------------------------')

elif response == 'l':

print()

print('---------------------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

cash\_in = int(input('ENTER AMOUNT YOU WANT TO LODGE: '))

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('---------------------------------------------')

print()

if cash\_in%10 != 0:

print('----------------------------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('AMOUNT YOU WANT TO LODGE MUST TO MATCH 10 EURO NOTES')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('----------------------------------------------------')

else:

amounts[n] = amounts[n] + cash\_in

print('----------------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('YOUR NEW BALANCE IS: ', amounts[n], 'EURO')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('----------------------------------------')

elif response == 'p':

print('-----------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

new\_pin = str(getpass.getpass('ENTER A NEW PIN: '))

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-----------------------------')

if new\_pin.isdigit() and new\_pin != pins[n] and len(new\_pin) == 4:

print('------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

new\_ppin = str(getpass.getpass('CONFIRM NEW PIN: '))

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-------------------')

if new\_ppin != new\_pin:

print('------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*')

print('PIN MISMATCH')

print('\*\*\*\*\*\*\*\*\*\*\*\*')

print('------------')

else:

pins[n] = new\_pin

print('NEW PIN SAVED')

else:

print('-------------------------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print(' NEW PIN MUST CONSIST OF 4 DIGITS \nAND MUST BE DIFFERENT TO PREVIOUS PIN')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('-------------------------------------')

elif response == 'q':

exit()

else:

print('------------------')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('RESPONSE NOT VALID')

print('\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*')

print('------------------')