**More Dictionary Practice**

**activity: Creating a login programme**

# The Login Example

#

#

# date: November 2016

print('\nThe Login Example')

#stored login credentials

loginDetails = {'user1':'apple123', 'user2':'ball456', 'user3':'coin789'}

print('\nWelcome! You have three attempts to enter your login details.')

attempt = 0

while attempt < 3:

  print('\nPlease enter your Username and Password:')

  user\_name = input('\nUsername: ')

  password = input('Password: ')

  success = False

  for key,value in loginDetails.items():

    if (key == user\_name

       and value == password):

         success = True

         break

  attempt += 1

  if not success:

    if attempt < 3:

      print('\nSorry, login unsuccessful, please try again\n')

    else:

      print('\nSorry, that was your third attempt!')

  else:

      break

if success:

    print('\nCongratulations, you have sucessfully logged in!')

'''

# 3 tests: 1. succcessful login 2. unsuccessful 3. 3 attempt termination

# assertion 1:

enter: user2 then ball456

message: Congratulations, you have sucessfully logged in!

# assertion 2 and 3:

enter: user2 then ball

message: Sorry, login unsuccessful, please try again

enter: user then ball456

message: Sorry, login unsuccessful, please try again

enter: user3 then coin8910

message: Sorry, that was your third attempt! - then program terminates

'''