import hashlib

import uuid

#uuid is a randomizer for passwords and such

def hash\_password(password):

salt = uuid.uuid4().hex

return hashlib.sha256(salt.encode() + password.encode()).hexdigest() + ':' + salt

#hashlib.sha256 is the amount of char that are going to be generated for the encoded password

#salt is the extra layer of encryption before the hash has been inputted into the encode

def check\_password(hashed\_password, user\_password):

password, salt = hashed\_password.split(':')

return password == hashlib.sha256(salt.encode() + user\_password.encode()).hexdigest()

npass = input('What is it: ')

hashed\_password = hash\_password(npass)

print('Giberish you want to save: ' + hashed\_password)

opass = input('Double check, re-enter: ')

if check\_password(hashed\_password, opass):

print('Took long enough!')

else:

print('Stooge try again!')

#HOW DO YOU MAKE IT LOOP IF PASS IS ENTERED WRONG!!!!!!!!!

#then npass = input('What is it: ')

#hashed\_password = hash\_password(npass)

#print('Giberish you want to save: ' + hashed\_password)

#opass = input('Double check, re-enter: ')