Python assignment 2

# 1. Print numbers 1 to 10 but stop the loop when number reaches 9

for i in range(1, 11):

if a == 9:

break

print(a)

# 2. Keep asking the user to enter a number. Stop when the user enters a negative number

while True:

num = int(input("Enter a number: "))

if num < 0:

break

# 3. Find the first even number in a list using a for loop and break

numbers = [1, 3, 5, 7, 8, 9]

for num in numbers:

if num % 2 == 0:

print("First even number:", num)

break

# 4. Keep adding numbers onwards until total sum exceeds 100

total = 0

num = 1

while True:

total += num

if total > 100:

break

num += 1

print("Total sum:", total)

# 5. Keep asking the user to guess the password until they guess 'admin123'

while True:

password = input("Enter password: ")

if password == "admin123":

print("Correct password!")

break

# 6. Print multiples of 7 using while loop until value is greater than 100

i = 7

while i <= 100:

print(i)

i += 7

# 7. Given a number, print each digit until a zero is found

num = input("Enter a number: ")

for digit in num:

if digit == '0':

break

print(digit)