**Lab 8:**

**We want to show on the screen all integers from 0 to a number entered by the user (this last excluded). The loop is set to perform a maximum of 100 iterations.**

num = int(input('Insert an integer number: '))

for i in range(100):

if i < num:

        print(i)

    else:

        break

**The following program written in Python is designed to calculate the total number of digits of an integer number entered by the user. For example, the number of digits of 428 is 3, whereas the number of digits of 40782 is 5.**

num = input("Enter an integer number: ")

num\_int = int(num)

digits = 0

while num\_list > 0:

    num\_int = num\_int//10

    digits = digits + 1

print("The number", num, "is made of", digits, "digits")