Functions

Functions is a block of code that can be reused in a program

Parameter and Arguments:

A parameter is the variable listed inside the parantheses in the function definition.

An argument is the value that is sent to the function when it is called.

```
# No of parameter and argument should be same
def my_function(fname, lname):
 print(fname + " " + lname)
my_function("Emil", "Refsnes")

    Emil Refsnes

# Factorial of a number(using loop)
number = int(input("Enter the number: "))
factorial = 1
if number == 0:
 print("The factorial of 0 is 1")
else:
  for i in range(1, number+1):
                                       # range(1,6)= include 1 and exclude 6
   factorial = factorial*i
print("The factorial of {} is {}".format(number,factorial))
      Enter the number: 5
      The factorial of 5 is 120
# Factorial Function
def fact(num):
  factorial = 1
  if num == 0:
   return factorial
  else:
    for i in range(1, num+1):
     factorial = factorial*i
  return factorial
num = int(input("Enter the number: "))
fact(num)
      Enter the number: 5
     120
fact(10)
      3628800
```