* Why should we use functions at all?

Their primary purpose is to help us organize programs into chunks that match how we think about the problem. It is also useful to shortcut our codes by replace repetitive sequence of statements by a single statement, a function.

* How to define/declare a function?

The syntax for a function definition is:

def NAME( PARAMETERS ):

STATEMENTS

We can make up any names we want for the functions we create, except that we can’t use a name that is a Python keyword, and the names must follow the rules for legal identifiers.

* How to call/use a function?

NAME( PARAMETERS )

* What is return, why and how do we use it?

Return is the value(s) that functions will return after their operation. Return will be useful once we would like to utilize the function’ value(s) for any further purpose out of the function itself. We can set return(s) by adding this syntax at the end of the function.

return list\_of\_value(s)\_we\_would\_like\_to\_be\_returned

* Do we have to use return in **every** function?

No, functions that do not return value are called void functions. They are not executed for their resulting value(s), but are executed because they do something useful.

* What are function arguments/parameters, why and how we use it?

The arguments are the elements of a function that help the function to be generalized. By adding a specific set of values to the arguments when calling the function, we can operate the function in a specific case.

* How to use function from a different file other than our currently working file?

We need to use this syntax:

from function\_file\_name import function\_name