Nguyễn Đình Tiến – C4E20

* Why should we use functions at all?

Primary purpose of functions is to help us organize programs into chunks that match how we think about the problem.

* How to define/declare a function?

The syntax for a **function definition** is:  
**def** NAME(**arguments**):  
 STATEMENTS

* How to call/use a function?

Import and call:

NAME(**arguments**)

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

The return statement is followed an expression. This expression will be evaluated and returned to the caller as the “fruit” of calling this function

How ro use:

Write return(expression) in the end of function’s block

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

No, there is a type of function is **void function**  that we dont need to return values

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

Arguments is value provided to a function when the function is called. This value is assigned to the corresponding parameter in the function. The argument can be the result of an expression which may involve operators, operands and calls to other fruitful functions.

Most functions require arguments: the arguments provide for generalization

How to use? For ex:

**>>>** abs(5)  
5  
**>>>** abs(-5)  
5  
In this example, the arguments to the abs function are 5 and -5

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

write from file import function, and then call the function using function(a, b)