1 .Why should we use functions at all?

Because function is a special block, it is named, makes program code easier to read, and can be called for use in different places in the program. The function is a reuseable command block.

2. How to define/declare a function?

The syntax for a function definitionis :

def NAME ( PARAMETERS/ARGUMENTS ) :   
 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. There can be any number of statements inside the function, but they have to be indented from the def.

3. How to call/use a function?

Function\_NAME (PARAMETERS/ ARGUMENTS)

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

The return command is used to return a value ( or an expression), or simply return “None”.

Even though void functions are not executed for their resulting value, Python always wants to return something. So if the programmer doesn’t arrange to return a value, Python will automatically return the value ‘None’

The syntax for return command:

def NAME ( PARAMETERS/ARGUMENTS ) :   
 STATEMENTS

return x

x : the value that we want to return

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

No because depending on the purpose of each function , some function not required return command.

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

The function has 0, 1 or more parameters. Separated by commas. When a method is called, the arguments are the data you pass into the method's parameters. The parameter has 4 types:

Required parameter

Default parameter

Variable-length parameter

Keyword parameter

Syntax :

def NAME ( PARAMETERS/ARGUMENTS ) :   
 STATEMENTS

The parameter list may be empty, or it may contain any number of parameters separated from one another by commas. In either case, the parentheses are required.

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

from FOLDER\_NAME import FILENAME ( If the file has function and the your working file are same folder, It’s not necessary

from FILENAME import FUNCTION\_NAME