1 .Why should we use functions at all?

**We use functions** in programming to bundle a set of instructions that **you** want to **use** repeatedly or that, because of their complexity, **are** better self-contained in a sub-program and called when needed. That means that a **function** is a piece of code written to carry out a specified task.

2. How to define/declare a function?

* **Step 1:** Declare the function with the keyword def followed by the function name.
* **Step 2:** Write the arguments inside the opening and closing parentheses of the function and end the declaration with a colon.
* **Step 3:** Add the program statements to be executed.
* **Step 4:** End the function with/without return statement.

The example below is a typical syntax for defining functions:

def userDefFunction (arg1, arg2, arg3 ...):

**program** statement1

**program** statement3

**program** statement3

....

**return**;

3. How to call/use a function?

**Function definition**

def requiredArg (str,num):

**Function call**

requiredArg ("Hello",12)

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

The return statement causes your function to exit and hand back a value to its caller. The point of functions in general is to take in inputs and return something. The return statement is used when a function is ready to return a value to its caller.

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

It is not necessary in every function

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

Parameters are temporary variable names within functions. The argument can be thought of as the value that is assigned to that temporary variable.  
Example:

def cube(number):

return number\*\*3

'number' here is the parameter for the function 'cube'.   
This means that anywhere we see 'number' within the function will act as a placeholder until number is passed an argument.

To pass an argument to a function is do something like, cube(3), which would call the cube function and would assign the value of '3' (pass the argument '3') to the parameter 'number'.  
Now wherever you see the parameter 'number' within the function, it will act like a variable with the value of 3. So, it will return 3 cubed which is 27.

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

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