1. There are many advantages of functions, but the most advantageous thing about using functions is that we not need to write a piece of code many times. Write a function once and use it as many time as you want.
2. When you write a function, it does not do anythng, you need to exlicitly call the function, so it can run some statements.
3. The systex for function is

def function\_name(arguments):

function body

return some value or nothing

1. There is one difference between function and function call, function is a code that do nothing, while function call actually invokes the functions and perform the action.
2. There basiclly four level of scope in python, they are LOCAL, ENCLOSING, GLOBAL, BUILTIN.

LOCAL, when you declare a variable inside a function, the scope of the variable is limited to use inside the function.

ENCLOSING, when you declare a variable in a function and then write another function inside the first function, you can use the variable inside the second function.

GLOAL, when you declare a variable in you Python file, you can use that variable anywhere in the Python file.

BUILTIN, there are keywords like ‘and’, ‘def’, these are BUILIN variable scope and we can use them anywhere in a Python file.

6. The variable is destroyed after the fnction call finished, we can not use it after the function call.

7. Return value is a value that a function returns when you explicitly call it. Yes, it is possible to have a return value from expressions, it has boolean as a return value.

8. The function that does not have a return statement it return None.

9. We can create a global variable by using the keyword global, this variable can be changed and used anywhere in the Python file.

10. Data type of None is NoneType Object.

11. Do not understand the question clearly.

12. We can use the function in the following way

import spam

Then we can call it by

spam.beacon()

13. We can use Try and Except block, wrap the code in the Try and Except in order to prevent the code from breaking.

14. Try clause says run the code under the close, if there is any kind of error during the code run, use Except clause to print the error and do something else and still run the other part of the code as well.