Assignment 3:

1. Why are functions advantageous to have in your programs?

We can use function as many time we wants.so it is reusable and help to clean our code and this make easy to maintain the code.

2. When does the code in a function run: when it's specified or when it's called?

The code of function runs when we make function call means when it's called.

3. What statement creates a function?

Def function_name():

4. What is the difference between a function and a function call?

Function its bunch of code which we define and we want to use whereas function call is used for run the function.

For example:

Creating function

def hello():

      Print('hi')

Function call:

hello()

5. How many global scopes are there in a Python program? How many local scopes?

Variable define in the Global scope available to anywhere in the code.

Variable define in the local scope available to only that particular function.

There are no limit in both scope to define variable.

6. What happens to variables in a local scope when the function call returns?

When me make function call which return the local variable then it return the value of that local variable

But if we try to call that local variable outside the function it will occur name error.

7. What is the concept of a return value? Is it possible to have a return value in an expression?

Return is use in the function which return the given value or expression and statement after the return statement won't execute. After return the value it sends flow to next to the function call.

Yes, it is possible to have a return value in expression.it will execute that expression and return its value.

8. If a function does not have a return statement, what is the return value of a call to that function?

If function does not have return statement, it will return default return value which is None.

9. How do you make a function variable refer to the global variable?

To make function variable refer to global variable we can use Global keyword.

10. What is the data type of None?

Data type of None is 'None type'.

11. What does the sentence import areallyourpetsnamederic do?

It will import the module named areallyourpetsnamederic.if it is not available in python then it will show ModuleNotFound error.

12. If you had a bacon() feature in a spam module, what would you call it after importing spam?

spam.bacon()

13. What can you do to save a programme from crashing if it encounters an error?

We can use error handling using try and except blocks in code.

14. What is the purpose of the try clause? What is the purpose of the except clause?

Try clause and except clause are useful for error handling.

Try cluse will run some given code in the try block. If it finds an error then it skipped the try block and run code inside the except block.

So try blocks help to find error and except blocks help to handle that error without interrupt program.