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

Ans: Functions are used to do some specific task in your programs. And can reuse it anywhere and anytime without writing repetitive code.

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

Ans: When its called

3. What statement creates a function?

Ans: Def functionname:

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

Ans: Function means you need to define name and write few line of code to do that specific function/task. It will not run/execute when we define it with Def statement.. To use that function we need to call it.

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

Ans: Global scopes are within a program. Once program stop, variables values are cleared. Local scopes is up to the code block in which it is defined…

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

Ans: variables will be cleared after returning the values..

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

Ans: After doing some specific task/function, we need to get new result which is needed for further t program/code, we are using return value.

Yes, we can return value in expression

Example: return x\*x

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

Ans: return value will be undefined..

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

Ans: use global keyword.

10. What is the data type of None?

And: none is consider as null or 0 or false or none or no value.

11. What does the sentence import areallyourpetsnamederic do?

And: it will import areallyourpetsnamederic library

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

Ans: spam.bacon()

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

Ans: logging an error with try except block to save a programme from crashing.

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

Ans: The code written within try clause, will allow you to test a block of code for errors. If error generated within try clause will be handled in to except clause.