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

Answer-1. Advantages of function in a program-

a) We can reuse the code.

b) It keeps the code short.

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

Answer-2. When it is called.

3. What statement creates a function?

Answer-3. To create a function, we use def. eg. def add(x,y), here we have created a add function.

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

Answer-4. Function is a code that we can define it runs in terminal and gives us output.

Function call is a method to use a particular function by calling it defining name.

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

Answer-5. There are one global scopes and one local scopes in python program.

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

Answer-6. It gets terminated.

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

Answer-7. Return is used for execution of a function. Yes it is possible to have a return value in an expression.

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

Answer-8. Return value to that function will be None.

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

Answer-9. Make a variable outside a function and then use it inside the function.

10. What is the data type of None?

Answer-10. Data type of None is None type.

11. What does the sentence import areallyourpetsnamederic do?

Answer-11. Output came as ModuleNotFoundError: No module named 'areallyourpetsnamederic'.

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

Answer-12. We can import spam and then call function bacon()

import spam

print(spam.bacon())

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

Answer-13. We can use exception handling to save a programme from crashing when it encounters an error.

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

Answer-14. Purpose of try clause is to check code for error. Purpose of except clause is to execute the code inside except block if there is a error in try block.