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

It allow us to write the concept that is going to use in programme so we dont need to write the programme multiple times (code reusability)

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

>>when it's called

3. What statement creates a function?

>>def

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

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

>>There is one global scope is here in python and we can create multiple local scopes.

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

>> When a function call returns, the local scope associated with that function is destroyed, and any variables defined within that local scope cease to exist. This process is known as "variable scope" or "scope resolution."

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

>> The concept of a return value refers to the value that a function sends back to the caller after it has finished executing.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?

>> None

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

>> I will use "global" keyword .

10. What is the data type of None?

>> NoneType

11. What does the sentence import areallyourpetsnamederic do?

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

If you imported a module named spam that contains a feature or function called bacon(), you can access and call the bacon() function using the module name as a prefix

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

>> I will handle the error by using Try ,Except,Catch which is called exception handling

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

>> Try : - The purpose of the try clause is to enclose a block of code that might potentially raise an exception or error

Except :- Specify the type of exception to catch and handle