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

Answer : Functions help in reusing some code snippet which we can use as many times as we can depending upon our need.

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

Answer: Code in a function is run when that particular function is called.

3. What statement creates a function?

Answer: def function\_name() creates our desired function. This can be declared with/without formal parameters to be used inside the function.

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

Answer: Function only contains code snippet which needs to be executed upon calling of this function. A function call is a single line code snippet used to call a particular function at a time depending on the usage.

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

Answer: There is only 1 global scope per execution of a particular program. Our number of local scope depends on the number of function because number of local scopes = number of functions .

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

Answer: The return keyword indicates the end of execution of code snippets inside a particular function and code snippets after return keyword inside that function are not executed.

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

Answer: Return value is used to return output of an expression or a final calculated value(s) after the function execution comes to an end . Yes, we can have return value in an expression if value has a logical or coherent meaning.

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

Answer: The called function returns nothing here.

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

Answer: We can simply use global keyword before any variable that we want to have global scope and assign appropriate value or variable value to that global variable.

10. What is the data type of None?

Answer: It has type as NoneType

11. What does the sentence import areallyourpetsnamederic do?

Answer: This import statement imports all functions and associated variables from areallyourpetsnamederic.py file to our current .py file and we can use them in our current.py file.

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

Answer: We would use this statement -- from spam import bacon.

And then directly call bacon() from our current .py file.

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

Answer : In this case , our programme crashes due to error in its execution known as exception. We catch our exceptions and handle them accordingly based on solutions provided for every exception. This process is called is exception handling.

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

Answer: Try block lets us handle a block of code for errors and except block as mentioned above helps us in handling any abruptions in our programme flow and handles them accordingly.