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

Ans: -

To have functions in program can reduce the need for duplication code. This makes programs shorter, easier to read and easier to update.

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

Ans: -

The code in a function executes when the function is called. It does not execute when the function is specified.

3. What statement creates a function?

Ans: -

The def statement defines (that is, creates) a function.

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

Ans: -

A function is a block of code that does a particular operation and returns a result. It usually accepts inputs as parameters and returns a result.

A function call is the code used to pass control to a function.

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

Ans: -

There is only one global scope in python per program execution. This scope remains in existence until the program terminates and all its names are forgotten. There is only one local scope.

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

Ans: -

When a function call returns, the local scope is destroyed, and all variables in it are forgotten.

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

Ans: -

A return is a value that a function returns to the calling script or function when it completes its task. Yes, it is possible to have return value in a math expression or any kind of expression in which the 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?

Ans: -

If there is no return statement for a function, its return value is none.

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

Ans: -

To refer to a global variable in a function, you can use the global keyword to declare which variables are global.

10. What is the data type of None?

Ans: -

The none keyword is used to define a null value, or no value at all.

11. What does the sentence import areallyourpetsnamederic do?

Ans: -

The sentence imports a module name areallyourpetsnamederic.

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

Ans: -

This feature can be called with ‘ spam.bacon() ’.

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

Ans: -

We can use **try** and **except** statement inside our code. Try running the program and it should throw an error message instead of crashing the program.

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

Ans: -

The try clause lets test your code for errors. The except clause lets handle the error in code.