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

Functions is to access and reuse and avoid the retuning the code again and again. 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?

The code in a function executes when function is called , not when function is defined

3. What statement creates a function?

“def” is the statement defines to create a function

Like : def student():

Pass

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

Function is a block of code that does a particular operation and returns a result

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?

There's only one global Python scope per program execution. This scope remains in existence until the program terminates , and a local scope is created whenever a function is called.

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

When a function returns, the local scope is destroyed.

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

A return value is the value that a function call evaluates to. Like any value, a return value can be used as part of an expression.

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

If the function does not have a return statement it will not return anything.

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

To make function variable as a global variable you can use the global keyword to declare which variables are global.

10. What is the data type of None?

None is used to define a null value. It is a data type of the class None Type object.

11. What does the sentence import areallyourpetsnamederic do?

It will import the library name areallyourpetsnamederic

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

This function can be called with spam.bacon().

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

Try running the program and it should throw an error message instead of crashing the program. The reason for the exception is also returned as an exception message. In the above code, we have handled the file reading inside an IOError exception handler

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

In the try clause, all statements are executed until an exception is encountered. except is used to catch and handle the exception(s) that are encountered in the try clause. else lets you code sections that should run only when no exceptions are encountered in the try clause.