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

Ans: further in the program, we need not write the entire block of code, that is functions are reusable, we can instantiate many instances using one function.

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

Ans: when the function is called.

3. What statement creates a function?

Ans: def xyzzy ():

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

Ans: a function is a block of code that does some operation.

Function call is a code, upon called does the specific operation coded in the function

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

Ans: there is one global scope per program outside the function, when the global variable is used inside the function with different values, it will be over written and will be used for that entire block of code. Again, when we come out of function and use the variable, then that variable is global one.

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

Ans: when the local scope of the variable will be destroyed upon return of function call and becomes undefined.

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

Ans: a return value returns the value with particular datatype, where print gives Nonetype, which we cannot use, the statement after the return statement is not executed. An expression is an operation or logic on the function so an expression by itself does not produce any value, return will give error, so return should be used in a function and it is not possible to have return in an expression.

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

Ans: return value is a None type object.

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

Ans: we can use the keyword global.

10. What is the data type of None?

Ans: a no value or null is data type of None.

11. What does the sentence import areallyourpetsnamederic do?

Ans: import areallyourpetsnamederic will import the module areallyourpetsnamederic if it is available or otherwise will give error module not found.

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

Ans: spam.bacon() or from spam import bacon

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

Ans: use the keyword break

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

Ans: if we are not sure of the output of a block of code, we can wrap it in try block then whatever the possible errors we expect, put it in except block so that the error will be heighlighted without inturrupting the other codes to execute.