

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

We can call functions to perform function assigned task whenever needed in code block, without writing numbers of lines of code repeatedly

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 Create_function():

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

A function is a set of rules that we write using programming language at the time of creating it, while a function call is calling that pre-created function whenever needed in the entire program.

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

One global scope and multiple local scopes.

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

It vanishes

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

Return value can further be used within another statement whenever needed after running and returning a function. Yes, it is possible

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?

We just need to write global before defining function variable within a function.

Eg: global function_variable

10. What is the data type of None?

NoneType

11. What does the sentence import areallyourpetsnamederic do?

It will import 'areallyourpetsnamederic' library and we will be able to use it functions.

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

```
Import spam
```

```
Spam. bacon()
```

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

Error handling using clause like try, except, else, finally. I will put doubtful program in try clause.

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

If there is a doubtful block of program which can cause error at some point of time and can crash the system. We put it in try clause. And when try clause program throw error, code of except clause will run and protect system from crashing by raising exception.