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

Instead of writing repeating line of codes that does the same thing we can define this codes as functions and call them as many times we want making the code writing to be simple and easy to debug

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

Code of function runs when it is called

3. What statement creates a function?

‘def’ statement creates a function

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

Function is a set of line of codes that has to be executed  
function call is when a function is called to be executed with the desired parameters

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

In a python program there can be only one global scope for a variable as creating a new scope will replace it’s value

We can have as many local scopes as long as they are called in different functions in a program but only one local scope within the same function

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

The variable is removed from the memory as the function call is returned

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

Return is generally used to give the result of the function in which it is called. We can have the final result as a return value or we can also have expression as return value

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

The function will return None if no return is defined

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

We can use the global variable in a local environment by using the keyword global infront of the variable name

10. What is the data type of None?

NoneType

11. What does the sentence import areallyourpetsnamederic do?

It looks for a module named areallyourpetsnamederic to import if not available it returns :

**ModuleNotFoundError**: No module named 'areallyourpetsnamederic'

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

Spam.bacon()

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

We can make the program to raise exception instead of crashing due to error

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

The try clause helps to test a block of code for errors.

The except clause helps to lets you handle the error.