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

**Ans 1:** Functions are good to have in program so that the code can be reused and writing same code multiple times can be avoided, maintaining the code also easy.

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

**Ans 2:** When it is called.

3. What statement creates a function?

**Ans 3:** def function\_name():

Code…

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

**Ans 4:**

**Function:** It is set of code written under one method which can be used anywhere in the program. A function cannot execute until it is called.

**Function call**: it means invoking or calling a function.

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

**Ans 5:**

**Global Scope:** There is only one global scope in python. The variable defined under main body has global scope. These variable can be used throughout the program

**Local Scope:** There is one local scope in python, the variable which is defined inside the function has local scope.

**For Example:**

a = 10

def func\_call():

b = 20

print(b)

print(a)

**Note : Here a is global variable which can be used inside the function also and b has local scope.**

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

**Ans 6:** The variable which is defined inside the function has local scope and when the function call returns the local variables are destroyed.

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

**And 7:** When a function returns any result it is called as return value. Yes we can have return value in any expression.

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

**Ans 8:** If the function does not have return statement, it returns None.

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

**Ans 9 :** Function variable can be made global by using keyword “global” inside the function.

10. What is the data type of None?

**Ans 10:** None keyword is use to define NULL value.

11. What does the sentence import areallyourpetsnamederic do?

**Ans 11:** This statement will import the module areallyourpetsnamederic then we can use functions and attributes defined inside this module.

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

**Ans 12:**

import spam

spam.bacon()

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

**Ans 13:** To save program from crashing we can do exception handling. So we can write the code in try block and if any error encounters it will go to the except block and the program will not crash.

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

**Ans 14:** Try clause allow us to test the block of code that may contain errors.

Except clause helps us to handle the error cause in try clause.

So the program does not terminate in the middle and handles the error.