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

Code reusability and make the program shorter.

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

When it is called.

3. What statement creates a function?

def keyword with function name, arguments inside parenthesis and followed by statements inside the function.

Eg:

def sqrt(c,d):

statement-1

return

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

**function** is a block of code, it does operation and returns a result. It usually takes inputs as parameters and returns a result. The parameters are not necessary always.

*Function:*

def add(a,b):

return a+b

**function call** is a code used to pass control to a function.

*function call*

k=add(10,20)

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

1 global scope and 3 local scopes are there in python.

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

A local variable becomes undefined after the function call returns.

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

**The value that a function returns to the caller is known as the return value.**

**It is possible to have return value in an expression**

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?

Using **global** keyword

10. What is the data type of None?

None data type

11. What does the sentence import areallyourpetsnamederic do?

Imports a 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?

Use exception handling. Writing error code inside Try block to display error instead of crashing and handling code(saving)in except block.

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

try clause is used to check some code for errors. The code inside the try block will execute when there is no erro, whereas the code inside the except block will execute whenever the program encounters some error in the try block.