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

We can reuse the function multiple times throughout the code, because sometimes we end up repeating the code, by using functions we can save time and consistency

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

The code in a function run when it’s called not when its specified

**3. What statement creates a function?**

“def” statement is used to create a function

For example:

def add(a,b):

return a+b

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

Functions include the code that we can use and reuse, however function call is used to run that particular function with giving some arguments respective to that function

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

Local scopes encompasses the number of functions defined in the program, so their count will depend on the number of functions executed however, there is only one global scope per program

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

The variable inside a function will not exist or will be removed from the memory after you run the function

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

Return value is basicallu the value which a function returns after it being run, it is kind of the result of that function

Yes, it is possible to have return value as an expression for example – we can use return a\*b, etc

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

If return is not mentioned in the entire function it will give output as “NONE”

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

We can use word “global” to refer to global variable

For example

A = 2

def mycode():

Global A

Return A

**10. What is the data type of None?**

None has its own dtype (NoneType)

**11. What does the sentence import areallyourpetsnamederic do?**

“areallyourpetsnamederic” is not a standard python module, so it will definitely throw an error

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

It will write “from spam import bacon”

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

We can use error handling techniques such as try and except clause

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

Try clause helps you to run the cope which can raise an exception or potential error and will not disturbs program execution .Except clause catches that error or exception and allows us to customize that response