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

Answer: Functions are advantageous because we do not need to write the same code again and again. We can just call the function whenever required. Also we can have function overloading and function overriding based on our requirements.

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

Code will run when the function 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?

Def abc() --- function is created

A=abc() --- function is called

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

There is 1 global scope and 1 local scope

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

when a function is called, the local variable will be accessible only inside that method, after the function call, that local variable would not be accessible.

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

Return is used to end the execution of a function.

Yes we can have return value in an expression eg. return(a+b)

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 can use global keyword

10. What is the data type of None?

NoneType

11. What does the sentence import areallyourpetsnamederic do?

Import is used to import any module. So this statement will import the module named areallyourpetsnamederic

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?

We can have try , except

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

Try clause will have our code – whatever we need to perform

Except clause – will have code to handle the errors and exceptions that could occur if the code in try block crash.