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

Enables reusability and reduces redundancy.

Makes a code modular.

Provides abstraction functionality.

The program becomes easy to understand and manage.

Breaks an extensive program into smaller and simpler pieces.

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

Function run when it is called.

3. What statement creates a function?

In python function is define using ‘def’ keyword.

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

A function is a piece of code which enhanced the reusability and modularity of your program. It means that piece of code need not be written again.

A function call means invoking or calling that function. Unless a function is called there is no use of that function.

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

There is one global scope, and a local scope is created whenever a function is called.

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

The Local scope variable is destroyed.

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

A return statement is used to end the execution of the function call and “returns” the result (value of the expression following the return keyword) to the caller. The statements after the return statements are not executed. If the return statement is without any expression, then the special value None is returned. A return statement is overall used to invoke a function so that the passed statements can be executed.

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

If the function doesn’t have any return statement, then it returns None.

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

With the help of global keyword

10. What is the data type of None?

NoneType

11. What does the sentence import areallyourpetsnamederic do?

Import a module name 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?

Using Exception Handling.

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