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

Ans:-The advantages of function in program are as follows

a) In a program functions can be called anywhere and multiple times.

b) It helps to track program easily when it is divided into multiple functions.

c) It reduces the need of duplicate code.

d) Functions make the program shorter to read and easy to update.

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

Ans:- The code in a function runs when the function is called on.

3. What statement creates a function?

Ans:-The statement to create function goes with-def (function name).

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

Ans:- A function is used in a program to make the program shorter and reusability so that the program should be written again and again.

A function call invoke or activate the function, to return the function value. A function importance is very less until and unless it is called.

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

Ans:- There is only one global scope and one local scope in python program. When the variables are declared inside a function it takes up local scope and those variables declared outside the function takes up global scope.

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

Ans:-When a function call returns the variables in the local scope is destroyed and the variable inside it become undefined.

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

Ans:- A return value is used to return a value from a function.

Yes it is possible to have a return value in a expression.

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

Ans:-A function always a return a value. If a function doesn’t have a return value then the the reurn value of that function is NONE.

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

Ans:- In a function global variable refers to the variable outside the function. Global variable can be created outside the function as well with global scope.

10. What is the data type of None?

Ans:- The data type of None is of NoneType.

11. What does the sentence import areallyourpetsnamederic do?

Ans:- The import statement imports a module named areallyourpetsnamederic.

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

Ans:-The function can be called as spam.bacon().

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

Ans:- To save a programme from crashing it can be put into the line of code in Try clause which might cause an error.

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

Ans:- The line of code which can cause an error goes in try clause.The purpose of the except clause is to run the line of code and if error occurs it goes to except clause.