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

**Ans :** First advantage is that using function we divide the functionality of the any program divides into the sub module using the function.

🡪Second advantage is that using function we reuse the code in the program it’s means no need to write same code again and again.

🡪Using function we identify the error easily in the program and also easily to understand the logic of the function.

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

**Ans :** Code in the function run not by the specified but run when the called to the function.

E.g. : .function\_name().

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

**Ans :** In the python we create the function using the “def” keyword.

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

**Ans :** Function words is used to create the function or it’s also defined the gives the definition of the function.Whereas the function call meaning is that to execute the function which to be called.

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

**Ans :** A global scope refers to a scope that is defined outside of any function or class definition and is available to all functions and classes defined in a program. Variables defined in the global scope are called global variables and can be accessed from anywhere in the program.

A local scope refers to a scope that is defined within a function or a class definition and is only available to the code within that function or class. Variables defined in a local scope are called local variables and are only accessible within the function or class in which they are defined.

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

**Ans :**  Variable in the local scope means that if call the function and function execute that time memory allocation to the variable after that lifetime of the variable expires means that delete the allocation of the memory.

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

**Ans :** In the python the concept of the return value to be return something when the call to particular function and mentioned “return” keyword then and then only return the value. Yes it’s possible to return the value in the expression. Return not return the multiple value.

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

**Ans :**  If does not have a return statement in the then function return the none value of function call.

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

**Ans :**  Use of the global keyword.

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

**Ans :** In the python NONE is data type that defined nothing.

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

**Ans :** The meaning of the above sentence is to import the python module in the areallyyoupetsnamederic in the program.

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

**Ans :** spam.bacon()

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

**Ans :**  We using the try and except clause in the python from crashing the program as well as if encounters the error in the program.

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

**Ans :** In the python purpose of the try clause is used to get the error in the program and except clause is used to defined the which type error is occurs in the program.