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

**Answer: There are a number of advantages of function to have to in a program:**

* **Code reusability**
* **Reduces code duplication**
* **Helps us to decompose a complex problem into small once**
* **Improves readability of code**

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

**Answer : Code in a functions runs when the function is called.**

3. What statement creates a function?

**Answer : def function\_name(parameters):**

**Do something inside this**

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

**Answer : function : a function is a group of instructions that performs certain task. We use def keyword to define a function.**

**Function call : is basically when we call that function , or make it run by calling it.**

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

**Answer : global scopes : There is one global scope for a program execution and it remains till the program gets terminated.**

**Local scopes: inside a program for a variable there maybe a number of local scope if the variable is used inside a function or likewise.**

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

**Answer : It retains the values of those variables unless the function is called again. After the function return those local variable can also be used outside the function.**

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

**Answer: Return basically returns a value after the function gets executed and a value is return by the function to where it has been called from. Yes it is possible to have return value in an expression.**

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

**Answer : it will return the address of that function.**

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

**Answer : by using the global keyword in front of the variable name. e.g : global a =10**

10. What is the data type of None?

**Answer : NoneType**

11. What does the sentence import areallyourpetsnamederic do?

**Answer : it will import the areallyourpetsnamedericmodule to your program.**

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

**Answer: we can call it as spam.bacon()**

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

**Answer: Python supports exception handling : we can use try and except blocks within our code.**

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

**Answer: Suppose our code have some potential to throw an error if some event arises, to handle that we can put our critical code within our try clause and if some exception arises then we can handle it gracefully using the except clause.**