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

Ans: A function is block of code which contains different operations inside it. When we call a function it will return desired output value after performing operations written inside the function

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

Ans: the code in a fuction will run when we call the function.

3. What statement creates a function?

Ans: keyword ‘def’ is inbuilt statement inside python which is responsible for creating function.

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

Ans: the difference between function and function call when we create a function, we just declare or define the tasks that function should performe.When we call the function then we are actually executing function for performing tasks.

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

Ans: There are two types of variables: global variables and local variables. The scope of global variables is the entire program whereas the scope of local variable is limited to the function where it is defined.

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

Ans: The scope of local variables expires when the function returns to the caller.

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 nothing but it is a statement which gives result after successful execution of function. We can have return value only inside function.

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

Ans: when there is no return statement then fuction will return result as output of last line inside fuction.By default type of return value is none.

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

Ans: To make a function variable refer to global variable we use ‘global’ keyword

10. What is the data type of None?

Ans: data type of None is itself None type means no value at all.

11. What does the sentence import areallyourpetsnamederic do?

Ans: the sentence import areallyourpetsnamederic will import module named as areallyourpetsnamederic and will make it available for use.

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

Ans: the feature bacon() in spam module is a function defined by module creator.

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

Ans: We can save a programme from crashing by writing it inside try – except block.

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

Ans: try clause is used to safely testing of code if code inside try block will have any errors then except block will handle it and save the programme crashing.