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

Ans:

1. Can re-use the function as many times as we want.

2. No need to write code again i.e reduce code duplication.

3. We can use functions in multiple projects as required.

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

Ans: The code in the function only runs when it is called.

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

Ans: In python

def function\_name(fun\_parameters):

Function Body

‘’’

‘’’

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

Ans: Function consists of def statement and code in it, whereas after creating the function we call it and as we call function code inside it gets executed.

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

Ans: 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?**

Ans: After the function call returns all local variables are destroyed.

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

Ans: A return statement is used to end the execution of the function call and “returns” the result to the caller.The statements after the return statements are not executed. Yes Is it possible to have a 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?**

Ans: If a function does not have a return statement the return value is none

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

Ans: by using “globel” keyword in the function.

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

Ans: class ‘NoneType’

**11. What does the sentence import are allyourpetsnamederic do?**

Ans: That 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:

import spam

spam.bacon()

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

Ans: We can use Exception handling i.e Try, Except & finally.

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

Ans: Try: This block will contain the part of code which may/or may not have an error. If any error comes it will go to the except block, without executing other line of code

Except: In this block if any error occur in the try block, except block will executed. We can specify some specific kind of exception like Zerodevision exception, Zeroexception and other. We can also create our own exceptions.