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

**Organization, Reusability, Testing, Extensibility, Abstraction**

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

**Code in a function runs when it is called.**

3. What statement creates a function?

**In Python a function is defined using the def keyword:**

**def function():**

**pass**

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

**A function is a block of code that does a particular operation and returns a result. It usually accepts inputs as parameters and returns a result. The parameters are not mandatory.**

**A function call is the code used to pass control to a function.**

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

**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?

**When a function returns, the local scope is destroyed, and all the variables in it are forgotten.**

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

**The Python return statement is a special statement that we can use inside a function or**[**method**](https://realpython.com/python3-object-oriented-programming/#instance-methods)**to send the function’s result back to the caller. A return statement consists of the**[**return keyword**](https://realpython.com/python-keywords/#returning-keywords-return-yield)**followed by an optional return value.**

**The return value of a Python function can be any Python object. Everything in Python is an object.**

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

**None**

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

**If we use the global keyword, the variable belongs to the global scope.**

10. What is the data type of None?

**none data type in python is same as NULL in the other languages it means the variable possess nothing and the value present in the variable is nothing that means the none variable doesn’t possess any value this**

11. What does the sentence import areallyourpetsnamederic do?

**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?

**This function can be called with spam.bacon().**

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

**Place the line of code that might cause an error in a try clause.**

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

**The code that could potentially cause an error goes in the try clause.**

**The code that executes if an error happens goes in the except clause.**