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

**Solution:-** BecauseFunctions helps to reduce the length of program code & that make programs easier to handle, read, and understand. Also, it helps to edit or update program easily. It also helps reduce duplication of code. Having Functions in any program helps to reuse code & also they hides information.

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

**Solution:-** The code in a function runs when it called , not when it specified or defined.

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

**Solution:-**  def statement

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

**Solution:-** A function consists of the def statement & inside it code is written While,

A function call is something which moves program into the function for execution & it evaluates to the function’s return value.

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

**Solution:-**  There is one global scope in a Python program & local scope is created whenever a function is called.

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

**Solution:-** When the function call returns or terminate execution , the local scope is destroyed and all the variables in it are forgotten or disappear.

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

**Solution:-** A return value is something which will get after function calls evaluation and Yes, it is possible to have return value as a part of expression.

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

**Solution:-** If a function does not have return statement , the return value will be None.

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

**Solution:-** Making global variable statement will help a function variable refer to global variable

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

**Solution:-** Data type of None is NoneType

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

**Solution:-** The 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?**

**Solution:-** I will call this function with spam.bacon()

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

**Solution:-**  I will do exception handling and inside it I will place that line which might cause an error in a try block.

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

**Solution:-** try block helps detects suspicious code so those lines of code which might cause an error goes to the try block Whereas,

except block handles the suspicious code if an error occur due to it .