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

**Answer:**

**Functions are used to break the program in to small pieces. So that it will give readability and easy to manage and debug the code.**

**Repeated tasks can be put it in to function so that we can avoid writting the same code again and again for the same functionality.**

**Function can be called from anywhere from in the program.**

2. When does the code in a function execute: when the function is defined or when the function is called?

**Answer:**

**code inside the function is run when we invoke the function with in the program or from outside the program by importing the other python script that have the function.**

**function is been called when we invoke the function**

3. What statement creates a function?

**Answer:**

**def keyword is used to create a function that ends with semicolon”:”**

4. What is the distinction between a function and a call to a function?

**Answer:**

**function is written with def keyword and it will have piece of code with specific functionality.**

**function is called with in a program to execute the statments inside the function and retrun the value**

5. In a Python application, how many global scopes are there? How many local scopes are there?

**Answer:**

**1 global scope**

**1 local scope**

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

**Answer:**

**Local variable is destroyed once the function returns the value to the calling program.**

7. What is a return value? Can a return value be part of an expression?

**Answer:**

**Return value is the output of the function that return after doing some operations.**

**Yes , return value can be part of 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 null value**

9. How can you force a variable in a function to refer to the global variable?

**Answer:**

**We can use global statement that will force a variable to be global**

10. What is the data type of None?

**Answer:**

**NoneType**

11. What does the import areallyourpetsnamederic statement do?

**Answer:**

**Import statement will import the module areallyourpetsnamederic statement and all the functions in the module will be available to calling program.**

12. If you had a function named bacon() in a module named spam, how would you call it after importing spam?

**Answer:**

**Import spam**

**spam.bacon()**

13. How can you prevent a program from crashing when it gets an error?

**Answer:**

**Use try and except clause to prevent crashing the program from the error.**

14. What goes in the try clause? What goes in the except clause?

**Answer:**

**Actual code that goes in to try clause and if any occurs during try clause, except clause will get executed.**