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

Functions reduce the need for duplicate code. Function are easier to read and update

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

When it is called

3. What statement creates a function?

def

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

function is a piece of code which enhanced the reusability (that piece of code need not be written again)

function call means invoking or calling that function. Unless a function is called there is no use of that function.

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

One global Python scope per program execution, local scope is created whenever a function is called

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

Local variables are destroyed/undefined

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

A special statement that you can use inside a function or method to send the function's result back to the caller. A return statement consists of the return keyword followed by an optional return value.

**YES**, The return value of a Python function can be any Python object. Since everything in Python is an object, you can return strings, lists, tuples, dictionaries, functions, classes, instances, user-defined objects, and even modules or packages.

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

**undefined**.

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

by using **global** keyword

10. What is the data type of None?

**Nonetype**

11. What does the sentence import areallyourpetsnamederic do?

**import a module/file areallyourpetsnamederic**

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

**spam.bacon()**

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

**i will use try and except**

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

**try clause tests a block of code for errors. Except block handle the error**