

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

Ans: Functions reduce the need for duplicate code. This makes programs shorter, easier to read, and easier to update.

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

Ans: When it's called

3. What statement creates a function?

Ans: `def functionName():`

`# What to make the function do`

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

Ans: 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?

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: When the execution of the function terminates or returns, the 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: Return value is the value that we get when we call a function, return value can be used 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: return None

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

Ans: By using global keyword

10. What is the data type of None?

Ans: None is a data type of its own (NoneType) and only None can be None.

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

Ans: Import a module whose name is areallyourpetsnamederic

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

Ans: spam.bacon()

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

Ans: By using try clause in the line code where there is chance of error.

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

Ans: try clause basically used for the line code where chances of error is high and when error occurs in try clause then coded in except clause executed.