

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

Ans: It is advantages to use function because we can call a function multiple times and not write a same piece of code again and again.

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

Ans: The code in a function runs when it is called. When the function is defined or specified its just stating its logic.

3. What statement creates a function?

Ans: def stated created a function

E.g. def addition(a, b):

return a + b

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

Ans: A function mean a set of code defined in such a way that it can be called again and again by using def. A function call is calling the predefined function, if required pass values to the function.

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

Ans: There is one global scope per program, and multiple local scopes can be created during the execution of functions or code blocks.

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

Ans: When a function or code block completes its execution and function call returns, its variables cease to exist.

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

Ans: The concept of a return value is that is returns a value to the caller after the execution of the function. The execution of the function stops when it encounters return. It is not possible to have return value in an expression without the expression being in the function itself.

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

Ans: In such cases, the return value of the function call will be *None*.

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

Ans: We can use the keyword global in the function. Like if a variable is defined outside of a function consider it as 'a = 5'

Then in a function we can write 'global a' and now when we modify 'a' in a function, the change is global.

10. What is the data type of None?

Ans: NoneType

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

Ans: It imports the module `areallyourpetsnamederic` so that we can use the functions inside the module.

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: Use exception handling in the program.

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

Ans: Try clause tried a code and if it finds any error or exception raise it jumps to except clause and the code in the except clause is executed.