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

🡪It reduces the need for duplicate code. This makes program shorter, easy to read and update.

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

🡪 The code in function runs when it is called.

3. What statement creates a function?

🡪 The def keyword is a statement for defining a function.

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

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| --- | --- |
| Function | Function Call |
| It is a block of code that does a particular operation and returns a result. | It is the code used to pass control to a function |
| Eg: Function add(a,b)  Return a+b | Eg: b =add(2,4) |

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

🡪There is only 1 global scope per program execution. Local scope is created whenever the function is called.

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

🡪 the local variable is forgotten at return of function.

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

🡪 It is a value that a function return to calling script when it completes its task.

It is possible to have return value in an expression.

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

🡪 If a function does not have a return statement, control will automatically return to calling function after last statement is executed. Return value of that function will be 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?

🡪 it will import module named 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?

🡪 keep the line of code that encounters error in try clause.

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

🡪 The code that may cause an error is in try clause.

The code that executes if error happens is in except clause.