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

Functions help in modular coding and is useful for other developers to read the code and understand the flow of the code. Functions also help the readers understand how the logics works in a given code overall. Function helps reduce the code repition, i.e whenever in a program if a piece of logic or code is required multiple times then it is better to make a function of it and then use that function whenever required.

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

The code in a functions runs whenever it is called.

1. What statement creates a function?

def is used to create a function in python.

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

Function means defining a function or a logic for the given function.

Function call means calling a function whenever it is needed in a code overall.

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

One global scope and many local scope are there in the python program.

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

Local variable exists only unitll the scope of the function exits. Hence the local variable loses its value once the function call returns.

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

The Python return statement is 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. The return value of a Python function can be any Python object.

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

None is default return value.

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

By using the ‘global ’ keyword .

1. What is the data type of None?

NoneType

1. What does the sentence import areallyourpetsnamederic do?

It return an error with the message given below:

No module named 'areallyourpetsnamederic'

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

Bacon() function.

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

We can use try except block for those area that have a probability of generating an error or exception

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

Try clause is the area that is expected to generate an error.

Except clause is the area that is used to handle the generated error and do specific task on generating the error.