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

Functions are piece of code that performs a specific task. For example , functions can be built in functions or user defined functions. Advantages of functions

Coder can just call the function when required to implement its functionality.

It saves time and effort of the coder.

It gives modularity of the code.

It reduces the length of the code.

Reduces the cost of development of the code.

Very easy to debug the code.

Very easy to modify the code. If the code is modified in functions, the changes are implemented wherever the function is called.

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

Code in function is run whenever the function is called.

Functions are usually defined at the beginning of the code or before the functions are actually used in the code.

Functions are called whenever its functionality is needed in the code.

1. What statement creates a function?

def keyword followed by a function name , followed by parenthesis, arguments,

and a colon. Function code should be in the next line onwards.

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

Function means a piece of code that can be reused across the project.

A function call is invoking or calling that function.

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

There is only one global scopes in python program.

How many local scopes. (Not sure about this question)

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

The scope of local variables is till the end of the function. When the function ends, the memory used by the variable is released or deallocated. The variable cannot be used outside the function.

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

Return value is written inside the function code to return a value to the calling function.

Expression cannot return value

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

The return value of a call to that function would be undefined

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

Use a global keyword to make a function variable refer to the global variable.

10. What is the data type of None?

The datatype of None is None

11. What does the sentence import areallyourpetsnamederic do?

It will import the module areallyourpetsnamederic

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

Spam is a module and bacon() is a member of the spam module.

Spam.bacon()

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

Use exception handling in python to save a programme from crashing if it encounters an error.

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

Try clause will have the code which will likely cause the exception. The code is written in the try clause. Except clause is used to handle any exceptions encountered in the try block.