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

Functions are helpful in automating repetitive tasks. Every time we can simply call the function and provide specific parameters to get desired output.

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

The code in function works when the function is called.

1. What statement creates a function?

def function\_name():

body

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

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.

E.g:

Function add(a,b)

return a+ b

A function call is the code used to pass control to a function

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

There can be only one global scope per program. you’ll have as many different local scopes as function calls.

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

The local variables disappear after the function returns.

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

A return is a value that a function returns to the calling script or function when it completes its task. A return value can be any one of the four variable types: handle, integer, object, or string. The type of value your function returns depends largely on the task it performs.

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

The function will not return anything.

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

We can assign the value of global variable to local variable.

e.g. a=10

for i in range (0,20):

b=5

if i%2==0:

b=a #Assigning global variable value

return abs(i+b)

else:

return abs(i-b)

1. What is the data type of None?

None is an object which does not hold any value. This the data type is none type.

1. What does the sentence import areallyourpetsnamederic do?

This statement will import the module named areallyourpetsnamederic if it exists else will give an error stating that the module does not exist.

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

Spam.bacon()

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

We can interrupt the kernel. Next can check if the there is any infinite loop running and add a condition to limit the loop.

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

The Python try…except statement catches an exception. It is used to test code for an error which is written in the “try” statement. If an error is encountered, the contents of the “except” block are run.