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

*It’s a block of code that can be executed multiple times whenever it’s called. It helps in reuse of code and avoiding duplication of code. Dividing complex solutions into simpler pieces and improving the clarity of the code, also making debugging faster and easy.*

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

*When it’s called.*

1. What statement creates a function?

*def*

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

Function is the block of code that is defined with def and the function call is the call made to that function

#Function

*def calc():*

*Print (“test”)*

#Function call

*calc()*

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

Global variables are defined in the main body of the Python code and belongs to global scope. They are available in global and local scope.

Local variables are defined inside the function and belongs to local scope of that function.

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

The variables gets returned

*def myfunction():*

*a=6*

*return a*

*print(myfunction())*

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

Return is used to exit the function and return the value. Yes it’s possible to have a return value in an expression.

*def myfunction():*

*a=6*

*return a+1*

*print(myfunction())*

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

None

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

Using the global keyword

def myfunc():

global a

1. What is the data type of None?

*NoneType*

1. What does the sentence import are allyourpetsnamederic do?

It imports the module the mentioned module.

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?

Use try ad except block

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

Try block test the block of code for error and except block lets you handle the error.