**PYTHON BASIC ASSIGNMENT**

**Assignment – 3**

**Answer 1:**

Functions are advantageous as they remove the duplicacy of the code i.e. we not have to write the code time and again which makes the programs shorter and easier to read and update.

**Answer 2:**

The code in a function runs when it is called.

**Answer 3:**

def keyword is used to create a function.

Eg: def func1():

print(“This is how we call a function”)

func1()

**Answer 4:**

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

**Answer 5:**

1 global scope and local scopes depends on the number of functions present.

**Answer 6:**

Variables in a local scope are destroyed after the function call returns .

**Answer 7:**

A return value is the value that a function returns after it has been called. It is possible to have a return value in an expression, as the return value is the result of the expression being evaluated.

**Answer 8:**

If a function does not have a return statement, then the return value of a call to that function will be undefined.

**Answer 9:**

We can make a function variable refer to a global variable by using the keyword "global" before the variable name inside the function definition.

For example:

global my\_global\_variable

def my\_function():

print(my\_global\_variable)

This will allow the function to access the global variable my\_global\_variable.

**Answer 10:**

The data type of None is NoneType.

**Answer 11:**

That import statement imports a module named areallyourpetsnamederic.

**Answer 12:**

The function will be called spam.bacon()

**Answer 13:**

We can use Exception handling if a program encounters an error and we have to stop it from crashing.

**Answer 14:**

The try clause is used to indicate a block of code to be attempted and will continue to run until an error occurs. The except clause is used to handle errors that are raised during the execution of the try block. It will allow the program to continue to run and take the necessary action to handle the error.