FUNCTIONS

1. What is a function?

A function is a named block of reusable code that performs a specific task.

2. How to define a function?

```
Syntax: def functionName():
    statement 1
    statement 2
    - - -
    statement n
```

Example: def helloWorld(): print("Hello, World!")

3. How to call a function?

A function can be called from anywhere in the program using the function name.

Example: To call our helloWorld function we previously defined,

print("This statement is executed before the function call")

helloWorld()

print("This statement is executed after the function

Output:

This statement is executed before the function call Hello, World!

This statement is executed after the function call

As seen in the example, after the function call, the flow of control returns back to the next line after the function call

call")

3. How to pass arguments to a function and return value?

Parameters are passed to a function by specifying them within the parentheses of a function call.

Example:

```
def findMaximum(numberOne, numberTwo):
    if numberOne > numberTwo
        return numberOne
    else
        return numberTwo
```

```
numberOne = 10
numberTwo = 20
greaterNumber = findMaximum(numberOne,
numberTwo)
```

In this example, we have defined a function findMaximum() that takes two parameters, compares them both and returns the greater number. This returned value is stored in the variable greaterNumber.