

STUDY GUIDE

FUNCTIONS IN PYTHON

Key Terms and Definitions

- **Function:** A reusable process that takes some kind of input, performs logic using those inputs, and returns the output of that logic. Functions are extremely powerful tools, and they open a vast world of possibilities. They are the building blocks for all large, complex programs and processes.

Introduces the function

```
def function_name():
```

Ends the expression

```
    indented line of code
```

What the function does

- **Arguments:** Details that are passed into a function to change the output. You add any number of arguments separated by a comma within the parentheses.
- **Defining a Function** - writing a function to be used at any time throughout your code.
- **Calling a Function**:- using a function. In other words, asking it to perform the logic we wrote when we defined it.
- **Nested Functions:** Functions that are called within other functions.

Guiding Questions

1. When might you want to create a function in Python?
2. What are some examples of arguments passed to a function?