Introduction to Python Computer Programming

North Star High School

Unit 3

Functions

# Reading Material

The text for this unit is Think Python chapter 3 (pages 17 through 28).

It is encouraged to work on your reading with the Python interpreter open on your computer, so that you can type in the examples and experiment as you read.

# Guided Reading

Please complete the following questions using the assigned reading above.

1. When talking about programming a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a named sequence of statements that performs a computation. (function)
2. Parameters that are passed to a function are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (arguments)
3. The result of a function is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (return value)
4. A Python file that contains a collection of related functions is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (module)
5. Taking smaller building blocks and building larger statements often involves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (composition)
6. A new function is defined by using a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (function definition)
7. The python keyword \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used to define a new function. (def)
8. The order that statements run in is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (flow of execution)
9. Functions must be defined \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ they are used! (before)
10. Variables inside a function are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which means they only exist inside the function. (local)

**Be sure that you are familiar with all of the definitions in the glossary (section 3.13)!**

# Assignment

1. Exercise 3.1 in the textbook. (ex\_3.1.py)
2. Exercise 3.2 in the textbook. (ex\_3.2.py)

If time allows, please complete exercise 3.3 in the textbook. (ex\_3.3.py)