Self-Assessment for Wednesday 2/7

This self-assessment covers material from Sections 1.8–1.10 and 2.1–2.5 of Modeling and Simulation in Python. Its purpose is to check your understanding of the concepts and to make sure you know what you need to know before you start work on the notebook.

It is open book, open notes, open computer. You can take as long as you need. You should make a reasonable effort to complete the diagnostic on your own. Then check your answers with a classmate.

Vocabulary

Fill in the blanks in the following sentences with the words that make the most sense.

1. Starting with a simple model and making gradual improvements is called _____.

2. _____ are used to explain what a function does; _____ are used to provide more information about how a program works.

3. A _____ causes a function to end immediately, without running any additional statements.

4. _____ only exist inside the function where they are defined. If you try to access them from outside the function, you get an error.

5. `==` is a _____, and should not be confused with `=`, which is an _____.