5. Program to compute the number of handshakes for n people – 01-04-handshakes.py
   a. First look at f-strings (no formatting)

6. Program to compute distance traveled – 01-05-distance.py

Objects

1. Everything in Python is an Object
   a. Like objects in the real world – Door, Desk, Chair, you, …

   b. Same in Python

   c. Objects can be created, destroyed

   d. Objects have attributes, actions
      • Car – attributes: color, year, etc.
      • Car – Actions: Drive, Fill with gas, etc.

   e. Python objects also have Attributes and Actions

Numbers

Python Numbers (All are objects)
        Three kinds of numbers in Python
                • Integers (int)
                • Floating Point (float)
                • Complex

Integers (int)

1. Integer Literals: 4   23   -9   0   see type(exp)

2. Integer Operators
   +   Addition
   -     Subtraction
   *   Multiplication
   /   Floating Point Division
   //   Integer Division
   **   Power
   %   Modulus

   Show Examples –   see type(exp)

12 / 3 → 4.0	7 / 3 → 2.33333333335	4 / 6 → 0.66666666666
12 // 3 → 4	7 // 3 → 2	4 // 6 → 0
12 % 3 → 3	7 % 3 → 1	4 % 6 → 4

3. Modulo Examples
   a. See 01-06-modExamples.py

4. Parse Telephone Number
    b. See 01-07-phoneNumber.py

5. Big Numbers: 12345 ** 12345