**Exercises Chapter 1**

1. To make sure that you can interact with the Python interpreter, try the following steps on your computer:
   * Start the Python interpreter in interactive mode.
   * At the >>> prompt type the following statement and then press Enter:
   * After pressing the Enter key the interpreter will execute the statement. If you typed everything correctly, your session should look like this:
   * If you see an error message, enter the statement again, and make sure you type it exactly as shown.
   * Exit the Python interpreter. (In Windows, press Ctrl-Z followed by Enter. On other systems press Ctrl-D.)
2. To make sure that you can interact with IDLE, try the following steps on your computer:

**VedioNote** Performing Exercise 2

* + Start IDLE. To do this in Windows, click the *Start* button, then *All Programs*. In the Python program group click *IDLE (Python GUI)*.
  + When IDLE starts, it should appear similar xto the window previously shown in [Figure 1-20](http://e.pub/lb8dnfihqv0rswzmtp4n.vbk/OPS/xhtml/fileP7000493220000000000000000001338.xhtml#P7000493220000000000000000001389). At the >>> prompt type the following statement and then press Enter:
  + After pressing the Enter key the Python interpreter will execute the statement. If you typed everything correctly, your session should look like this:

This is a test of IDLE.

>>>

* + If you see an error message, enter the statement again and make sure you type it exactly as shown.
  + Exit IDLE by clicking File, then Exit (or pressing Ctrl-Q on the keyboard).

1. Use what you’ve learned about the binary numbering system in this chapter to convert the following decimal numbers to binary:
   * 11 : 00001011
   * 65 : 01000001
   * 100 : 01100100
   * 255 : 11111111
2. Use what you’ve learned about the binary numbering system in this chapter to convert the following binary numbers to decimal:
3. 1101 : 13
4. 1000 : 8
5. 101011 : 43
6. 5. Look at the ASCII chart in Appendix C and determine the codes for each letter of your first name. : 102, 97, 110, 100, 121
7. Use the Internet to research the history of the Python programming language, and answer the following questions:
   * Who was the creator of Python? : Guido van Rossum
   * When was Python created? : 02/20/91
   * In the Python programming community, the person who created Python is commonly referred to as the “BDFL.” What does this mean?: Benevolent Dictator For Life