1. Install Python and IDLE.

If you are working on your own machine, you may need to install Python (Python does come pre-installed on Mac OS X). We will be using the standard Python software, available here. You should download and install version 2.7.3. You can call IDLE from the terminal by typing: idle.

Use a web browser to go to the Python website http://python.org. This page contains information about Python and links to Python-related pages, and it gives you the ability to search the Python documentation. For example, if you enter print in the search window, the first link that appears is the documentation of the print statement. At this point, not all of it will make sense to you, but it is good to know where it is.

2. Write a program that:
   a. Asks the user to enter his/her last name.
   b. Asks the user to enter his/her first name.
   c. Prints out the user’s first and last names in that order.

   Use the Python Wikibook to learn how to read input and print it out. Remember that if you want to hold on to a value, you will need to store it in a variable.

3. Define a function that:
   a. Takes as an argument the radius of a sphere.
   b. Prints out the volume of the sphere.

   The volume of a sphere with radius $r$ is $\frac{4}{3} \pi r^3$. Be careful when dividing integers in Python. Check that the results are correct. You can import the math library to use $\pi$ in your function (see 3.13). Search the Python documentation to figure out the power operator.

   Note that the function should print (but not return) the solution. Once the program is run, you should be able to type into the interpreter the name of your function and see the result. Can you assign the result of the function to a new variable?

4. Change the function so that it Returns the result, instead of just printing it. Explain the difference between this version of the code and the previous version of the code. Use examples.