**Recursion Section 1**

**Python Reading (25 total pts)**

Read the [Recursion](http://interactivepython.org/runestone/static/thinkcspy/toc.html) chapter from the section entitled *What is Recursion?* through the section entitled *Visualizing Recursion.*

**Other Programming Languages**

* Look at the solutions for Factorial and Fibonacci in Object Pascal, C++ and Haskell written by Jon Fast. The solutions are 3 separate PDFs found in LabArea and the webpage.

**Checking Your Understanding**

**Directions: Provide an answer for each question directly after the question on the copy of this document that you saved to your drive – please save it with the same name I have given it. When appropriate, you need to answer in complete sentences.**

* 1. Which of the three other languages seemed the easiest to follow and why?**(3 pts)**
  2. Submit the code for Exercise #2 **except reverse a string instead of a list**since we have not learned lists. Be sure that you provide a complete program that tests the function. **(10 pts)**
  3. Submit the code for Exercise #3. You will have to type in the original code from the reading and then modify it. Be sure to do at **least 2** of the modifications. **(10 pts) The code is in the Visualizing Recursion section of the text.**
  4. As part of the comments for the program, list what you changed. **(2 pts)**