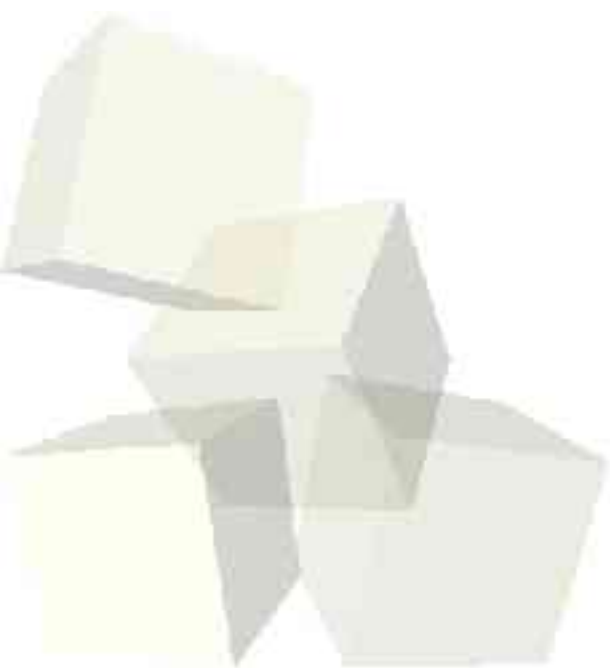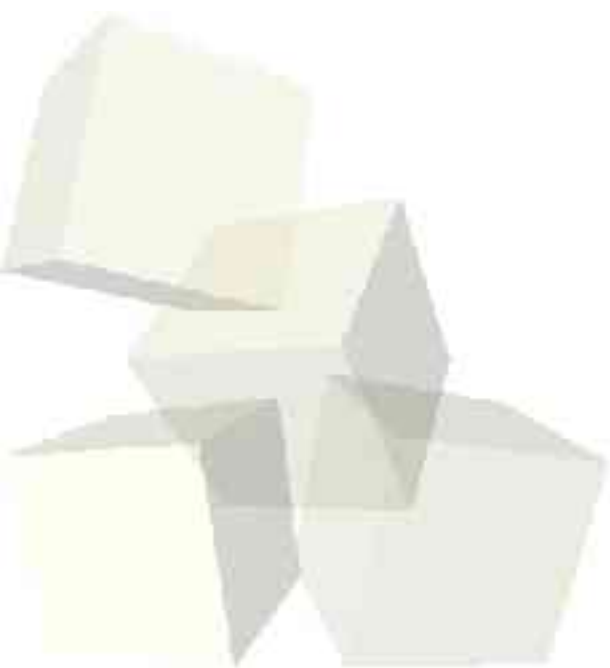# Lexical and Syntax Analysis

9-14-2004

Opening Discussion

- What did we talk about in the last two classes?
- Now that you have read a chapter talking about what goes into building a compiler, how many of you would want to take a course on compiler construction?
- Hand in assignment #3 and I'll give you back assignment #2.
- Today is the last day of the first class participation grouping.
- Keep originality points?

Discussion Questions

- Should languages be defined or should they evolve?
- Let's go through your discussion questions for chapter 4.

Significant Points

- Lexical analysis
- Parsing
  - Top-down – recursive decent and LL-grammars
    - No left recursion allowed
    - Must choose between options with first lexical item.
  - Bottom-up – shift reduce and LR-grammars