* Chapter 1
  + C and HTML use Compilers
  + Python and Ruby use Interpreters
  + Why study compilers?
    - Better programmer
    - Create tools for debugging and translating
    - Create new languages
    - contribute to existing compilers
* Chapter 2
  + Compiler Toolchain
    - Preprocessor
    - Compiler
    - Assembler
    - Linker
  + Stages within a compiler
    - Scanner
    - Parser
    - Semantic routines
    - Optimizers
    - Code generators
* Chapter 4
  + LL(1)
    - Advantages
      * Easy to write a hand coded parser known as a recursive descent parser
    - Issues
      * Not all languages structures can be expresses as LL(1) grammars
  + LR(1)
    - Advantages
      * Nearly all useful programming languages can be written in LR(1) form
    - Issues
      * More complex and usually cannot be written by hand
  + Parse Table for grammar
    - P E etc on side, int, (, $, etc on top
    - If(e){print FOLLOW}
    - If(!e){print FIRST}