

- Review for the Midterm.
  - Overview :
    - What are the phases in a compiler?
    - What do we do in each phase?

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  - Lexical analyzer :
    - Regular expression definition
    - Use regular expression to express an pattern
    - How to recognize regular expression?
      - NFA
      - DFA
      - minimize the DFA

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  - Syntax analysis :
    - context free grammar
      - use it to specify a language
    - top-down parsing
      - LL(1) (What is an LL(1) grammar?)
      - How an LL(1) parser works?
      - How to construct an LL(1) parsing table for a grammar.
        - » (First, Follow)
    - Bottom parsing
      - Model of Shift reduce Parser, Handle, Handle Pruning
      - Operator Precedence Parsing
      - SLR, LR(0) items,
      - Formation of SLR Parsing Table