

## Lecture 13: May 21, 2024

**Reading:** zyBooks text, §2.13, 2.17

**Assignments:** Homework 3, due May 27; Extra Credit 2, due May 27

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1. Midterm review of
  - (a) Question 2
  - (b) Question 4
  - (c) Question 10
  - (d) Question 11
  - (e) Question 13
2. Recursion and Memos [*fibrec.c*, *fibmemo.c*]
3. Internal representation of data
  - (a) Union *union.c*, *union2.c*
  - (b) Conversion among hexadecimal, binary, and decimal
  - (c) Bit operations: & (ampersand), | (vertical bar), ^ (carat), ~ (tilde)
  - (d) Extracting bits [*bits1.c*, *bits2.c*, *bits3.c*, *bits4.c*]
4. C Libraries