

Outline for May 12, 2025

Reading: *C Notes text*, §4.2, 4.3, 9, 20, 22.6, 24, 56

Due: Homework #3, due May 14, 2025

1. 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*]
2. C operator `a ? b : c`
3. C function pointers [*fptr.c*, *funcptr.c*]
4. C library functions
5. Standard I/O library
 - (a) *stdio.h*
 - (b) `FILE *`
 - (c) Full, line, buffering; unbuffered