

Lecture 14: May 23, 2024

Reading: zyBooks text, §2.10, 2.19, 3.15, 5.12

Assignments: Homework 3, due May 29 (*Note extension*);
Extra Credit 2, due May 29 (*Note extension*)

1. C operator `a ? b : c`
2. C function pointers [*fptr.c, funcptr.c*]
3. C library functions
4. Standard I/O library
 - (a) *stdio.h*
 - (b) `FILE *`
 - (c) Full, line, buffering; unbuffered
 - (d) Moving around in a file `fseek, ftell, fgetpos, fsetpos` [*stats.c, stats2.c*]
5. Character types [*chartype.c*]
6. Time
 - (a) Number of seconds since the epoch (January 1, 1970, at 12:00:00am UTC)
 - (b) Getting it using `time, ctime, localtime, gmtime` [*tick.c*]
7. Pseudorandom number generation
 - (a) Pseudorandom numbers vs. random numbers
 - (b) Pseudorandom number generators `rand, random` [*prand1.c, prand2.c*]
 - (c) Seeding a pseudorandom number generator [*prand1.c*]