Lecture 23: November 18, 2019

Reading:

1. Greetings and felicitations!
   (a) No office hour on Friday; an office hour on Tuesday 11am–11:50am
2. Binary arithmetic; cover addition
3. Hexadecimal notation (base 16 numbers)
4. Bit operations: and (&), or (|), xor (^), not (~)
5. How computers represent numbers and characters
6. Getting to bits (and debugging using gdb)
   (a) How to extract bits
   (b) Debug program: forget to make bits printable [bits1.c]
   (c) Debug program: get bits but in wrong order [bits2.c]
   (d) Got it [bits3.c]