Questions about the previous lab

Questions about HW1 (or HW0)
Who did man gcc?

- Tell me something interesting about it…

Recap

- Intro to Unix, Hardware, Server-Client relationships, concept behind telnet
- Intro to C
- Basic structure of a program
- Compiling and running programs
- Variables, and assigning values to them
- Data types and I/O
- \%

I/O

Output in more detail

- printf("%s %c %f %c%c\n", "one", 'o', 2, 3.33, 'G', 'o');
- %3c – field width
- %7.2f
- HW1?
I/O

Input

- scanf – analogous to printf
- scanf("%d", &x);
- You can scan in different types of data from files, user input or command line parameters.

Conversion between data types

- atoi
- atof
- atol

- Usage -> a = atoi(b)
  - Here the value of b is converted from string to integer.

Command line parameters

- argv & argc
- ./a.out 2 3 (to add two numbers)
- int argc, char *argv[]

#include <stdio.h>

int main (int argc, char *argv[]) {
  int a, b;
  a = atoi(argv[1]);
  b = atoi(argv[2]);
  ... //do things with a and b
}
Math operators
- +, -, *, /
- &
- !

Arrays
- What are arrays?

Method calls
- What are methods?
Assignment

- Read Ch. 5 and start Ch. 6 from the Practical C Programming book
- Read pg. 200-206 from the Practical C Programming book
- man gcc
- HW1