C Review Recitation Handout

Monday, Oct 4

Activity 0: Reading man pages

- Either type man getopt on your Terminal or Google "man getopt".
- int getopt(int argc, char * const argv[], const char *optstring);

What does getopt do?

The C library function getopt is used to break up options in command lines for easy parsing and to check for valid options.

Describe the parameters that getopt takes:

- int argc: Number of command line arguments
- char * const argv[]: Command line arguments parsed as an array of string
- const char *optstring: Options

What does getopt return? The argument or error status code.

Other specifications about getopt:

Note: use this template to understand other C functions/man pages as well!

Activity 1: getopt_example.c

In this first activity, we have given you a file called getopt_example.c. Your task is to figure out what this program does!

What does getopt_example.c do?

Count the number parsed from the command line

How do you get the program to process arguments (i.e. formatting specifics?)

./get_example -n arg

What does the -v argument do? The -n argument?

-v means verbose. It prints the number from 0 to n. -n is the main user input from the command line

Commands

To compile all files, type:

\$ make clean

\$ make

To compile just the example, type:

\$ make getopt_example