CS 429
Assignment 1

This assignment covers material in Chapters 1 and 2 of "Computer Systems: A Programmer's Perspective". Familiarity with the reading in those chapters will help significantly.

Your assignment is to provide solutions for Chapter 2 problems 2.57, 2.59, 2.60, 2.61, 2.63, 2.64, 2.66, 2.67, 2.68, 2.69, and 2.70.

Notes:

- Note the difference between an *expression* and a *function*. An expression is a single statement without any semicolons, e.g. $((x + y)|(z))\&x$. A function may include multiple expressions, assign expressions to variables, and have control flow (if allowed by the problem).

- Pay attention to which problems require the artificial bit-level integer coding rules, and which do not. A clarification of the rules: arbitrary integer constants are allowed, such as `0xFF` or `0x1`.

Only electronic submissions will be accepted. Electronic submissions must be in text (.txt) or pdf formats (unless otherwise specified). Turn in your assignment using the CS department's `turnin` program. You can read the documentation for `turnin` by running `man turnin` on a CS department machine. Submit your assignment by running

```
turnin --submit <ta username> hw1 <file1> [<file2>,...]
```

You can find your TA's username on the class web page. The `turnin` program has a mode `--verify` that allows you to check that all files were submitted correctly. Please use it. Corrupt or missing data will be counted as an unsubmitted assignment.