

## Activity #7

1. Write a UNIX program in C called gcd. Create a .c & .h file that defines a function gcd(a,b) that returns the GCD of a & b (you can use your function from earlier this semester). Write a separate C program called activity7.c which takes 2 numbers as input (from the command line) and outputs the gcd using the gcd function defined in gcd.c. If non-numeric input is given, write an error message to stderr. Include the compilation command, sample output, and the header and main C file (do not include the C file that defined gcd()).

For example:

```
$ gcd 8 4
4
```

2. Write a makefile that builds your program.
3. Open your program in gdb. Print the values of a & b inside the gcd function inside your program.

For your submission, include the following:

- Output of the make command
- Sample output
- A screenshot of what you did in part 3
- Your activity7.c & gcd.h files