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Lab Assignment #7
10 Points
Due: March 12, 2015

Objective Use your current debugging skills to try and find all the errors (mostly memory related) in a small C program. Finding errors in a program, especially run-time errors, can be extremely tedious. We will see a better way in the next lab.

Activities

1. Copy the C source file:

   `http://www.cs.uidaho.edu/~bruceb/cs121/Labs/memerror.c`

   to your account.

2. Examine the program. It's written in C, so it will look a bit different.

3. Compile (use `gcc`, not `g++`) and run the program. It will crash/display undesired results.

4. Try to find all the errors using any technique you currently use (probably output statements using `printf`. We will see a better way later!).

5. Document at least four errors as you find them. Your documentation should include: line numbers of code involved (before any modifications you may make) or a few lines of context, the functions they execute in, and the nature of the error. Many errors, but not all, are memory-related.

Deliverables

- Documentation of at least four errors found and a two or three sentence proposal for how to fix each one. Be specific about what code you would change and why for each bug. This lab is graded on the quality of your bug-fix proposals.