Week 8 Lab

This Week

Next week you will demonstrate your the fourth version of the calc program. Again, the backlog from which you will be developing is the calc backlog.

For next week you will attempt stories 15-18.

You will need to download **wk4-calc.zip** into your working directory using wget sp.nathanielgmartin.com/wk4-calc.zip. When you unzip it in your working directory, it will produce the same files that you found in wk3-calc. However, calc.c will contain the stubs needed for stories 15-18. You will need to the functions you wrote last week into calc.c in wk3-calc because the new program builds on the old program.

Be careful: it is very easy to overwrite files in Unix. Copy last weeks work into a safe place before you begin working, to avoid copying over you work:

1. Create a new directory in your working directory called old-week3. You will have old copies of all of your directories if you do it this way.

2. Copy the directory you demo this week into old-week3.

3. Work only in wk4-calc. You can always download a new untouched copy, but you cannot restore you work if you lose it.

Demo

Today you will be demoing the third set of stories from the calculator backlog: factorial, GCD and binary. Notice that the number of marks you get for correct formatting and clean compilation has been reduced from 10 to 5. It is still important to format and make sure the code compiles cleanly, but getting the program to work is of greater importance now.

Marks

- Story 12 (15 marks)
    - Proper formatting and clean compilation (5 marks)
    - Computer factorial correctly (5 marks)
    - Uses recursion (5 marks)
- Story 13 (15 marks)

- Proper formatting and clean compilation (5 marks)
- Calculates correct GCD (5 marks)
- Uses recursion (5 marks)
- Story 14 (15 marks)
  - Proper formatting and clean compilation (5 marks)
  - Print binary number correctly. (5 marks)
  - Uses recursion. (5 marks)