Writeup

Project Goals

The object of this project was to create a program that would take a number between 0-100 and output the Fibonacci version of that number. Also to make us cry.

Challenges/Successes

This project was hard. Almost threw my computer across the room. The huge challenge was keeping track of registers. All the weird names were making everything look confusing. I would constantly get hung up on trying to get a value from something in memory and it not working. A success out of it was that I used a lot less variables then I wanted to. Kept just about everything in registers which made my program run pretty fast. But the downside is everything was in registers, so I has to constantly be aware of where values were set so they wouldn't be overwritten by a function call. I wanted to mess with stack memory but it was giving me problems, so I dropped it. I wasn't trying to be hung up on that for hours.

For extra features, I did the -o flag for outputting in octal and made a man page. I tried to do decimal output but could not figure it out and gave up on it because it was Friday night and I wanted to drink.

Lessons Learned

1. Assembly hurts
2. Memory is confusing
3. Registers are volatile

Conclusion

This program was hard. I don't know how I made the program work out but I did. My brain is fried. If I had more time I would of loved to figure out the decimal output and would of stored values on the stack instead of every register available.