Intersect Writeup

Project Goals

The object of this project was to create a program which will take the files passed to it via command line arguments, and print out the intersecting words

Challenges/Successes

The biggest challenge, rebalancing and marking the words correctly. My tree kept on grabbing the wrong nodes initially when rebalancing. I fixed that after many trial and errors. But, when fixing it, I would then start getting duplicates of certain nodes. This was because I was marking my nodes incorrectly and my remove wasn't working properly.

I ended up repeating my remove 2x in the intersect function because I found that worked for getting rid of the duplicate nodes. No this is not efficient, but it gets my tree working properly.

The success was realizing that strcmp was all I needed for my tree to sort the words properly for the base program.

Lessons Learned

1. Reinforcing trees
2. Balancing trees

Conclusion

This program was a fun program to make. It was good reinforcement for trees. It was an easy-going project I thought. I would have liked more time though to figure out what was wrong with my remove functions.