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CS 370

Friday somewhere in may

Final Project Final Report Thank god

Since my last progress report, I’ve made significant progress in implementing features for my cp program. Before I was able to copy one file and have write it under a different name in the same directory. However, there was a problem because I was only able to write it in the same directory which became a challenge because the first implementation of cp was honestly very easy and only took an hour to write with preexisting code.

So with my current implementation, the user is able to fetch any file from any directory and can write it to any directory, making new directories if needed along the way. This used a lot of system calls such as mkdir and chdir.

All that was left was to recursively copy every file from a directory to another. I tried to do this with the existing code from ls as ls printed out every file inside a directory. But I ran out of time so I was not able to implement this feature, but I do believe it would be only a few lines added to my existing code as my code was scalable to start with.

I also mentioned in my original report that I wanted to make this multi-threaded if possible if I was copying multiple files. While I was not able to copy multiple files, I did some research and I found out that this would be very counter-intuitive as copying and writing files are not CPU intensive but IO intensive so it would not have made any differences, if anything it would have made it worse.