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Homework 2

Overview

This assignment is a simple copy program that mocks the same command on Unix machines, such as the cp file1 file2 command. I am using a buffer that holds 1024 bytes. My program uses the low level file I/o api on linux. It loops through the file specified in argument one, and writes to the file in argument two through each loop, until the bytes returned from read equal zero. When done, it outputs the number of bytes copied, and closes both files. In case of error, they are all handled by stderr. O_EXCL mode in the open function makes sure no existing files are overwritten.

Testing

For testing, I copied two text files, one less than 1KB, and another file bigger than 1KB, which was around 4KB.