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Assignment 0 Writeup

Testing

For this lab I tested my function using my own files (.txt, .bin, etc) and standard inputs, where I compared the outputs to cat using the linux diff and > command. I also did some testing before the program was even created I extensively tested the read() and write() functions for c/c++ to fully understand what was going on when calling those functions. I continued testing until the outputs were exactly the same.

How does the code for handling a file differ from that for handling standard input? What concept is this an example of?

The code for handling standard input does not differ that much when compared to handling a file both use the same function read() and write() to take inputs and output the data. The only difference being for files I used open() which would pass an integer which would be passed into read(). For standard input rather than open passing a “file number” I would pass 0 which signifies stdin

References:

Also a textbook called The C ansi C Programming Language by Brian W Kernighan and Dennis M. Ritchie was used for inspiration on how to make this program specifically the read() and write() function.