WRITEUP

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1 Testing

1. ./dog vs. cat
   a. Checking just standard input

2. ./dog a.txt vs. cat a.txt
   a. Checking single txt file

3. ./dog - vs. cat -
   a. Checking dash input

4. ./dog a.txt - b.txt vs. cat b.txt - a.txt
   a. Checking combined txt files and dash

5. ./dog sample.bin vs. cat sample.bin
   a. Checking single binary file

6. ./dog a.txt sample.bin b.txt vs. cat b.txt sample.bin a.txt
   a. Checking combination of binary and txt files

7. ./dog foo vs. cat foo
   a. Checking response to nonexistent file foo

8. ./dog bar vs cat bar
   a. Checking response to directory bar

2 Questions

For the most part, the main difference in handling a file and handling standard input relied on the use of read() to take the contents of the file and transfer them into a buffer and the use of write() to take what's in the buffer and send them to standard output. We also have to check for errors when dealing with a file and we don't have to do so for standard input. This concept reminds me of modularity in which different functions are combined to increase the variety of usage.