

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 a.txt - b.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 a.txt sample.bin b.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. This concept reminds me of modularity in which different functions are combined to increase the variety of usage.