

Writeup

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1 Testing

At first to test my program I started with the initial case that user would only run `./dog`. I would make sure that anything I type into my standard input would be displayed in my standard output. After I made sure that worked I would test opening and reading a file. Once this part of my program was working, I focused my attention making sure the “-” case was taken care of and then made sure the error messages were correct. I then passed different kinds of files like a pdf with different symbols. Lastly, I had to fix my error message if a directory was a command argument, so it would match the message of `cat`. Each time I tested a new functionality to the program I compared the output with `cat` to see if my output was correct or not.

2 File Handling

For reading standard input the while loop is infinite and keeps waiting for text to be read in while for reading from a file the while loop for the read is less than zero once there is no more text left in the file. This concept is an example of different inputs affecting the use of the same function because both while loops use the same function `read()`, but depending on the input and the condition in the while loop the functionality changes.