Design Document - Program 0, dog

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For my program, I identified a basic binary structure that would allow me to modularize this program. On any given set of input there are only two paths that this program may take.

1. a function stdIn() to handle input that is being read from standard input
2. a function fileIn() to handle input that is read from a file

The main function is effectively a looping branch selector that iterates through all the arguments passed on the command line, selecting the correct branch corresponding to each argument. The main function assumes nothing about the arguments, merely passing them to the functions. The branch functions perform error checking on the arguments.