









• In programming classes I talk about "reading from standard input" rather than "reading from the keyboard", and "writing to standard output" (or "writing to standard error") rather than "writing to the screen".

(In Java terms — System.in, System.out, and System.err. C has similar concepts but calls them stdin, stdout, and stderr.)

• What's the difference?

I/O Redirection, Continued

- stdin (standard input) can come from keyboard, file, or from another program or shell script.
- stdout and stderr (standard output, error) can go to terminal or file (overwrite or append), separately or together.

Slide 6

NO Redirection, Continued



 Minute Essay

 • How might input/output redirection be useful? (e.g., in program development? testing?)

 Slide 8

