

Assignment 0

- How does the code for handling a file differ from that for handling standard input? What concept is this an example of?

The code to handle a file vs std input is not different. This is an example of abstraction as the system calls are essentially black boxes that you as a coder just give arguments to and the function will handle those arguments in a robust manner without exposing the inner workings. The abstraction is made possible by being able to represent stdin and files as file descriptors.

Testing:

I used a bash script to test my program that ran through a series of arguments to both cat and bobcat and then ran a diff on the output, redirected to a file. Below are the args that I gave to the program:

- bobcat.cpp
- thisdoesnotexist
- - < testInputs.txt *note: running un-redirected stdin tests was done by hand for redundancy*
- - bobcat.cpp < testInputs.txt
- bobcat.cpp - < testInputs.txt
- - bobcat.cpp - < testInputs.txt
- - - < testInputs.txt