

CS 303 – Lab 3
September 5, 2022
Maximum Points: 10

Q1. (4 points) Write down a C program which opens a file (create the file, if the file does not exist) and write your name in the file. After writing your name in the file, close this file. Open this file again and read your name from file and print it. Don't use "printf" or "cout" for printing. Use POSIX API for your program.

Q2. (6 points) Write a program that copies the contents of a source file (.txt format) to a destination file (also .txt format). Through the command line, your program should prompt the user for the name of the source and destination files. Use POSIX API for your program. Create the source file and add text to it before running the program. Do not create the destination file before running the program. The destination file needs to be created during the program execution. Include error checking for – (a) checking that sufficient number of run-time arguments are input (./a.out input.text output.txt), checking for success/failure of all system calls used in your program.

Show your code for both questions to the TA when finished.
