

Homework H2: Chapter 10 File Systems

CS 283 Systems Programming

Grading: 100 points

The following exercises (except the last one) come from the main text, Computer Systems: A Programmer's Perspective, 3rd Edition (CSAPP3). (25 points each).

- CSAPP3 Problem 10.6
- CSAPP3 Problem 10.8
- CSAPP3 Problem 10.10
- The tee command reads its standard input until end-of-file, writing a copy of the input to standard output and to the file named in its command-line argument. Implement tee using I/O system calls. By default, tee overwrites any existing file with the given name. Implement the -a command-line option (tee -a file), which causes tee to append text to the end of a file if it already exists. (Use the getopt() function or write your own to parse command-line options.)

What to hand in:

Please submit the solutions to the problems above by the submission method specified in the Syllabus. Make sure your answers are concise and clear. Make sure you completely explain all your answers. We will deduct points if it is not obvious how you got your answer -- even if your answer is correct.