Problem Set 22

CS 311

Due Apr. 7, 2014

Due at the beginning of class in hardcopy.
Sections 10.1–3

1. Why is a disk drive's effective transfer rate typically much less than its maximum transfer rate?

2. Would a high-performance computing facility that handled "big data" problems be more likely to use NAS or a SAN? Explain.

3. How is CFQ I/O scheduling in Linux (use a search engine to find information on this) similar to the Linux CFS?