Outline for May 13, 2022

Reading: text, §36–37

Assignments: Homework 3 and Extra Credit 3, due May 23, 2022
Lab Exercise 2, due June 2

1. Announcements
2. Disk device drivers
   (a) Virtualization of disk sectors
   (b) Assumptions for comparing disk scheduling methods
3. Disk access policies
   (a) First come, first serve (FCFS)
   (b) Pickup
   (c) Shortest seek time first (SSF, SSTF)
   (d) SCAN
   (e) N-Step SCAN
   (f) C-SCAN
   (g) LOOK, N-Step LOOK, C-LOOK
4. Comparison
5. Optimizations
6. Process interface
   (a) open, close
   (b) seek, lseek
      i. Disambiguation between successful, unsuccessful lseek
   (c) read, write
      i. Scatter-gather
      ii. Blocking, nonblocking
   (d) control, ioctl