

Chapter 6: Exercises

1. Explain the difference between preemptive and non-preemptive scheduling.
2. Suppose that a scheduling algorithm (at the level of short-term CPU scheduling) favors those processes that have used the least processor time in the recent past. Why will this algorithm favor I/O-bound programs and yet not permanently starve CPU-bound programs?
3. Which of the following scheduling algorithms could result in starvation?
 - a. First-come, first-served
 - b. Shortest job first
 - c. Round robin
 - d. Priority