SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. Which scheduling algorithm is designed to minimize waiting time for processes?

A. First-Come, First-Served
B. Shortest Job Next
C. Round Robin
D. Priority Scheduling

Solution: Shortest Job Next (SJN) minimizes waiting time by prioritizing processes with the shortest execution time.

Q2. Which synchronization mechanism uses a variable to control access to a shared resource?

A. Semaphore
B. Mutex
C. Monitor
D. Condition variable

Solution: A semaphore is a synchronization mechanism that uses a variable to control access to a shared resource.

SoulShift

SoulShift – Educational Q&A Platform © 2024–2025 | Licensed for individual use only | SS-36C15D65