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3/13/25

## CPU Scheduler

To begin, I went through all the provided code to understand the structure and added variables where instructed. For all three schedulers (FCFS, RR, SJF), I applied similar logic. I tracked process states each cycle, moving processes to READY when they arrived, to RUNNING when selected, and to BLOCKED after a CPU burst. FCFS selected processes in arrival order, RR used a quantum counter to slice CPU time, and SJF picked the process with the shortest remaining time. I used `CURRENT\_CYCLE` to manage time and updated bursts, waiting, and I/O until all processes terminated.