Summer 2025 OS Mid Term Preparations Guidelines:

1. Process Creation (State diagram, program loading, context switch, fork, wait, exec, how shell works)
   a. Follow Fall 2024 and Spring 2025 Mid questions, Spring 2025 CT 1 questions. Apart from this, keep your basics crystal clear

2. Scheduling (Policies - Non-preemptive (FCFS, SJF), Preemptive (STCF, RR, MLFQ), Metrics: Turnaround time, response time)
   a. Follow Fall 2024 Mid question, Fall 2024 CT 2 questions and Summer 2025 CT 2 questions
   b. Keep your understanding of policies crystal clear

3. Concurrency: Writing Synchronization codes (Similar to Fall 2024 and Spring 2025 mid questions), Problems and their solutions of different lock implementations, concepts of threads, mutex, conditional variables
   a. Solve the suggested problems from ps-concurrency.pdf. Don't memorize answer, try to develop the idea on writing concurrency codes based on description and the given code
   b. You can safely skip 4(a) questions from both Fall 2024 mid and Spring 2025 mid as such patterns are not covered in this trimester.