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Thrashing → It occurs when a computer's virtual memory resources are overused, leading to a constant state of paging & page faults inhibiting most application level processing. This causes the performance of the computer to degrade or collapse.

* Scheduling: The process scheduling is the activity of the process management that handles the removal of the running process from the CPU and the selection of another process on the basis of particular strategy. Process scheduling is an essential part of a Multiprogramming operating system.

• Multiprocessor scheduling: It is an NP-hard optimization problem. The problem statement is "Given a set J of jobs where job j_i has length l_i and a no. of processors m . What is the minimum possible time required to schedule all jobs in J on m processors such that none overlap.