12 Nov 2024 - Operating Systems - I - Week 04

- * Process management
- * Memory management
 - -> Memory hierarchy
 - -> Memory characteristics --> capacity, cost, access time
 - \rightarrow Multiprogramming \rightarrow memory consists of more than 1 program
 - -> Operating System's role in memory management

















Swapping -> restriction instruction --> several cycles interrupt -> execute first handle 11/47 OS --> wait for any pending I/0 } then swap not possible, if swap has to be done, F execute I/O in kernel space \sim double buffes Storage Allocation Algorithm * first - fit If free space is ordered in size allocate the first hole that is big enough.

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