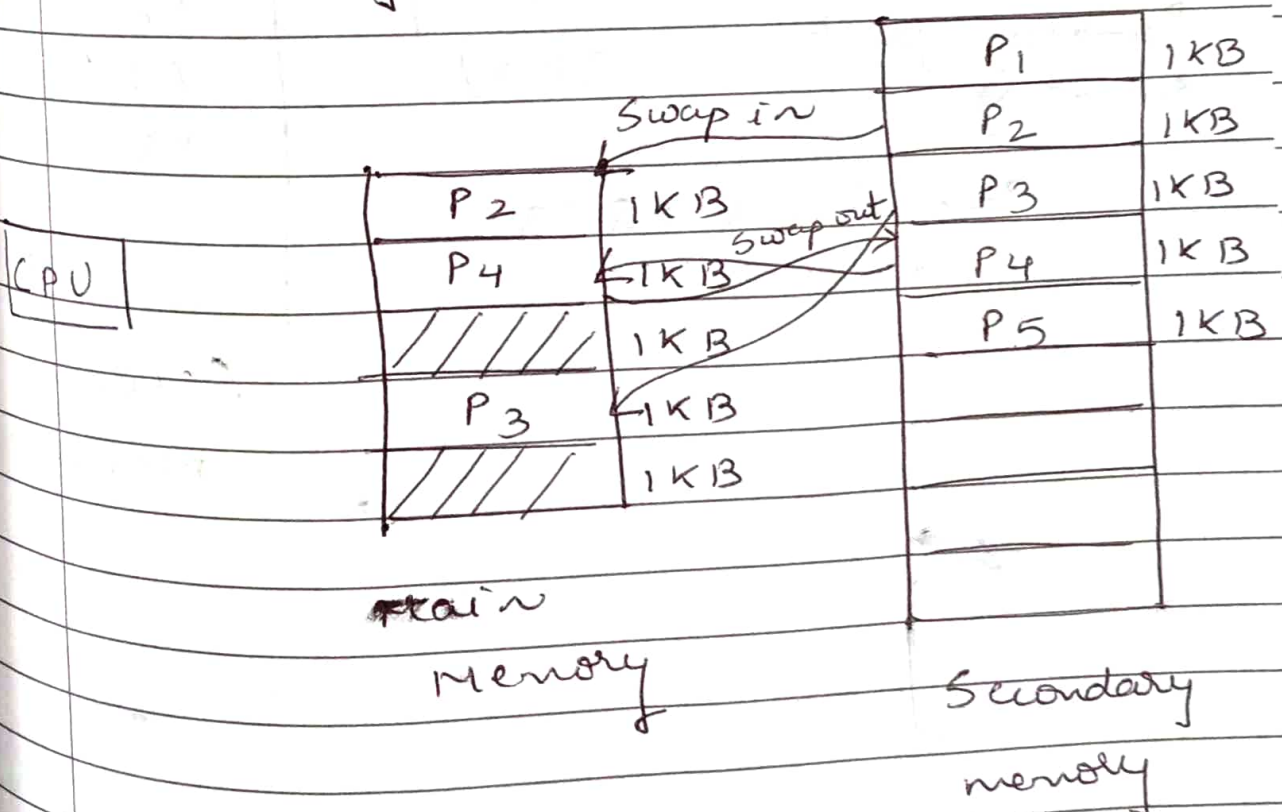


Demand Paging

The program resides in the secondary memory, & pages are loaded in main memory only on demand, not in advance.

Definition

It is a type of swapping in which pages are copied from secondary memory to main memory when they are needed.



Program X = 5KB

Page Fault - Page not existing in memory required by CPU.
 Page Hit - Page existing in Main memory.

* Page Replacement Algorithms

- 1) FIFO
- 2) LRU
- 3) Optimal

CPU

P ₁	1KB
P ₂	1KB
P ₃	1KB

P₁, P₂, P₃,

Main Memory

P₄ → Page fault

Swapping

(3KB)

Program X = 8KB

P ₁	1KB
P ₂	1KB
P ₃	1KB
P ₄	1KB
P ₅	1KB
P ₆	1KB
P ₇	1KB
P ₈	1KB

Secondary
Memory