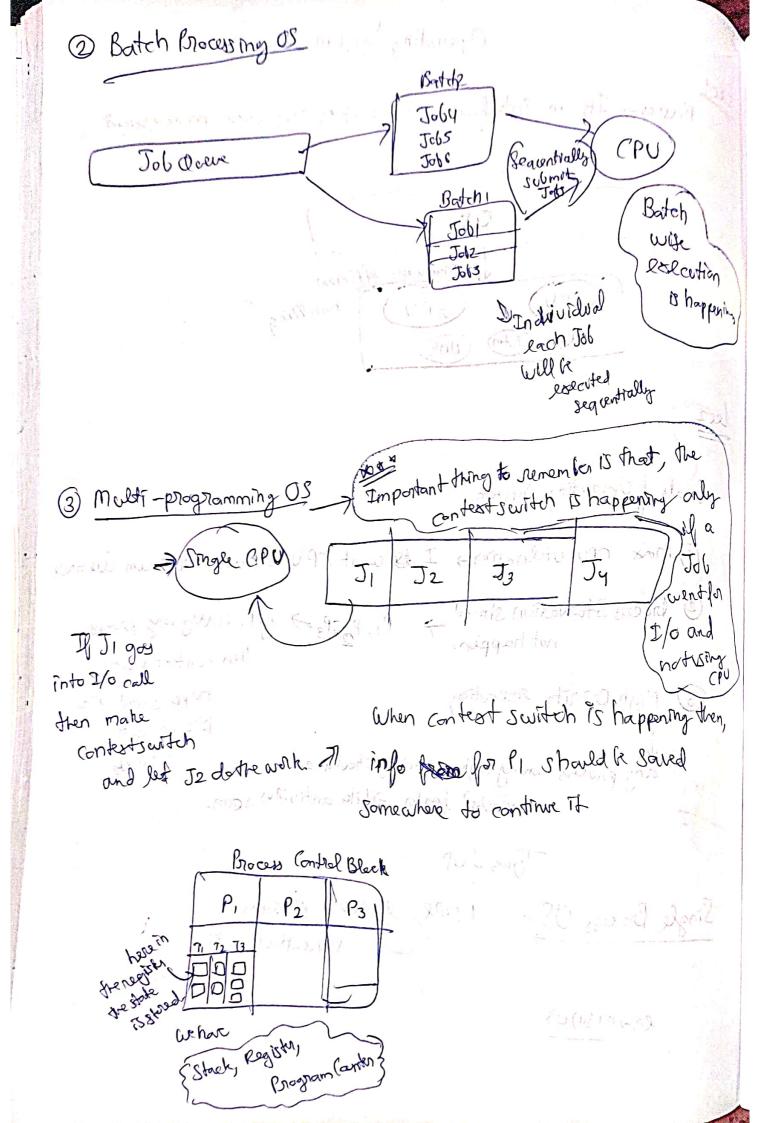
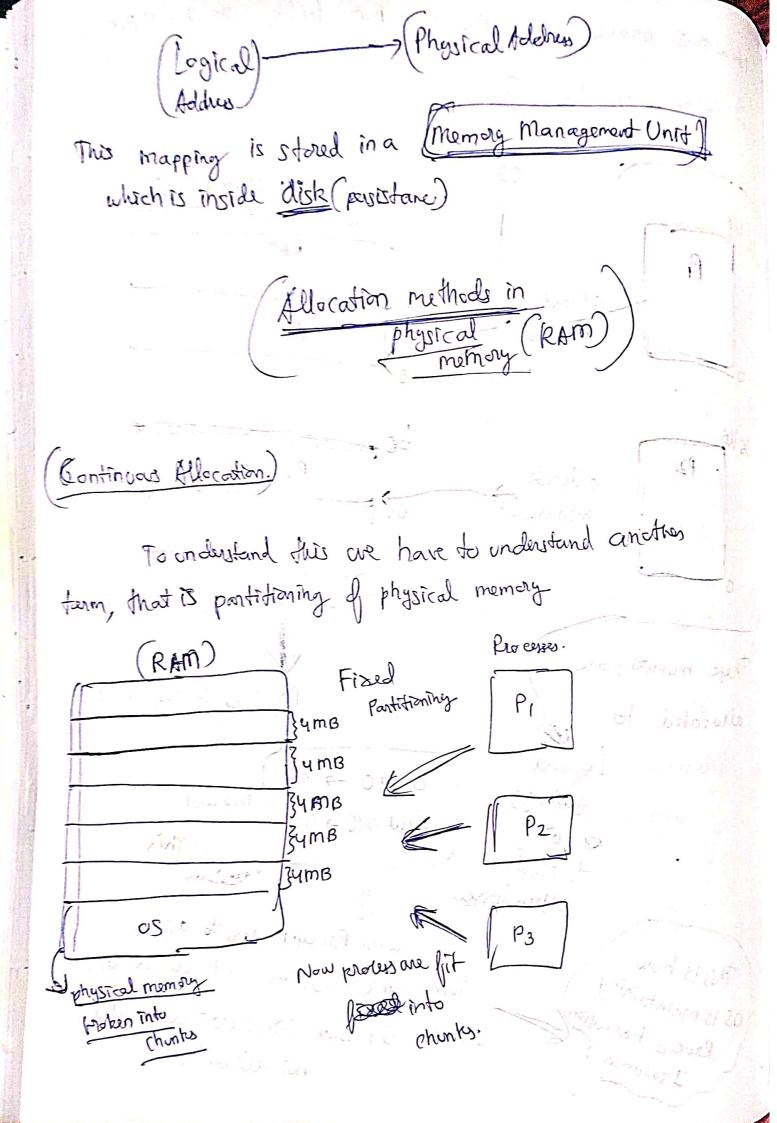
Operating System. To an word it had to Bases > It an interface, which does resource management 20 handling-GPU lec2 Goals of Operating System. 1) max CPU Utilisation - I des want CPU to Prave minimum idledinge P1, P2;P3 & P1 is very long process. 3 Brocess Starvation should not happen. then contest surbeh happens and other (3) Migh Priority easewion, Processy get any process having higher priority should get executed laston. I like antivious soon. Types for And Hallon associ I core steente processes Single Broces OS,7 sequentially no contof Switching es-mspos

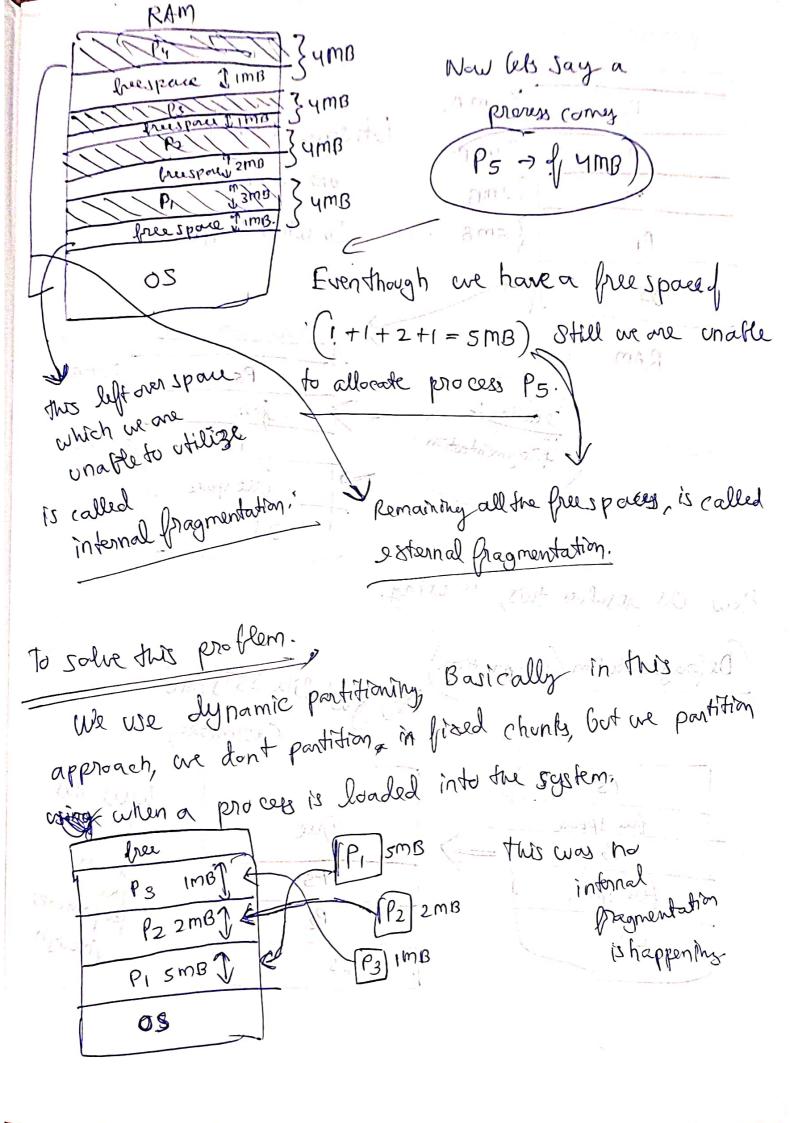


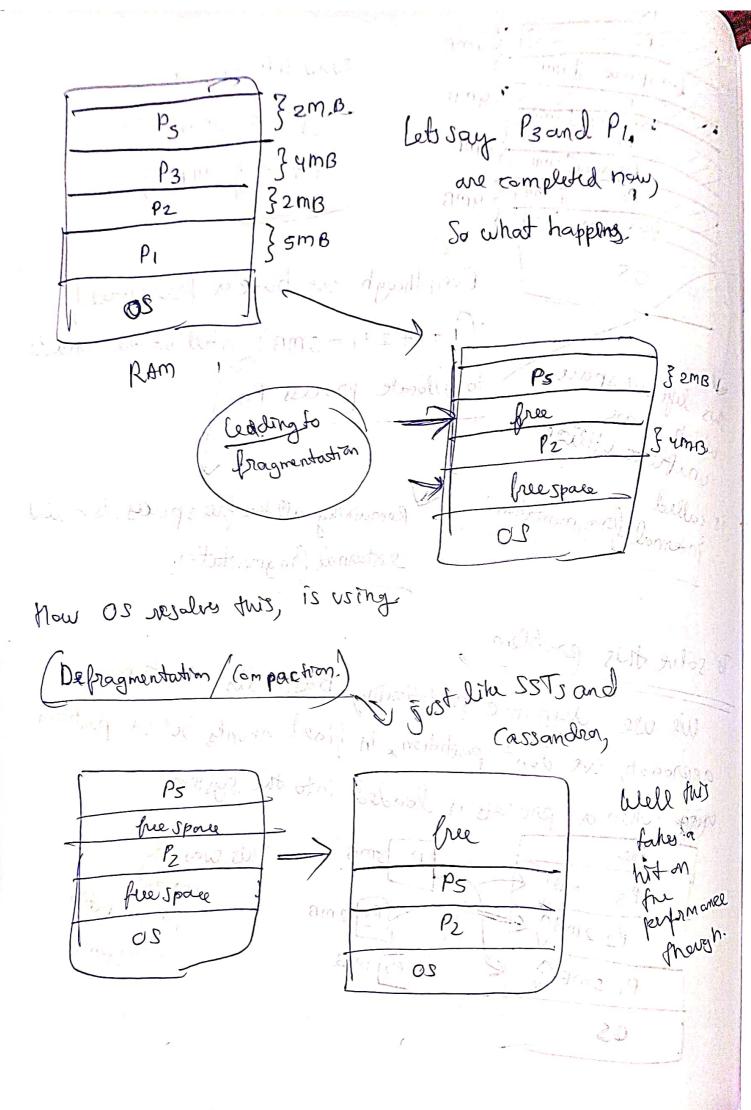
9). Moltfashingers - Same as Molding ragramming	
- Convest Scuttching	
Bet prajor difference is time sharing	-1
All the second of the second o	
the even if the job is not going for I/o still after an	
interval OS will pull out that job and make it wast	
and let other jobs have a chance	
2 1 - C 1 - D C - D D D D D D D D D D D D D D D D	
3 Dostributed Centralized OS.	
(PU, GPU) (Maching connected) (PUZ) (GPUZ)	
memory to anos. (4PU2)	
OS ,	
many the standing of the standing was and the	4
(G, Pv_2)	
money 2115 pur de money	
RTOS -7 Real TimeOS	
was written british product Use 17	
26 th the car is a section	
D Molti Brocersing OS > Same as Multitasking.	
7) Moltibrorersing OS > Same as Multitasking. - context switch	
- Firme showing	
- (#CPUS ZI)	

Memory Management in OS. (Lecture 24) > In maltipe multi-programming malel, we have multiple protesses RAM precess > let say OS is there in 29 (0-29KB) OS & strad there. Now how process are allocated RAM to get execution apportunity let say this process is of So this process is represented Using Logical Addresspace Each process has all theye things in them. 16. PZ Hoge Rach prous

Now this process directly dos At falk with the kan. 02. it talks with the 1. 1. I.A Physical Address Space os 16 NB RAM P allocate 114 memory 98 16 WB 76 P2 Land P2 allocak memory These memories are Physical Address Space. allocated to Logical B-70-798 Addrys Proces 1 offret 716 -7 114 🙉 ना when this Vistual moldes. Aldrew Space When Processifies to access This is how Some Rock or address, outside the given OS IS maintaining Procons Execution Mange, OS will throw enon and will Isolation not allowed it







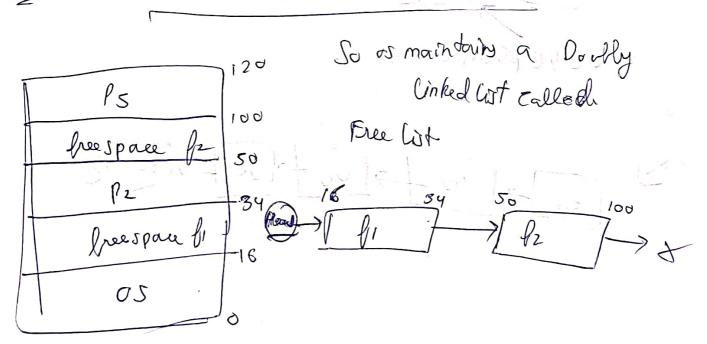
Fixed Pontitioning

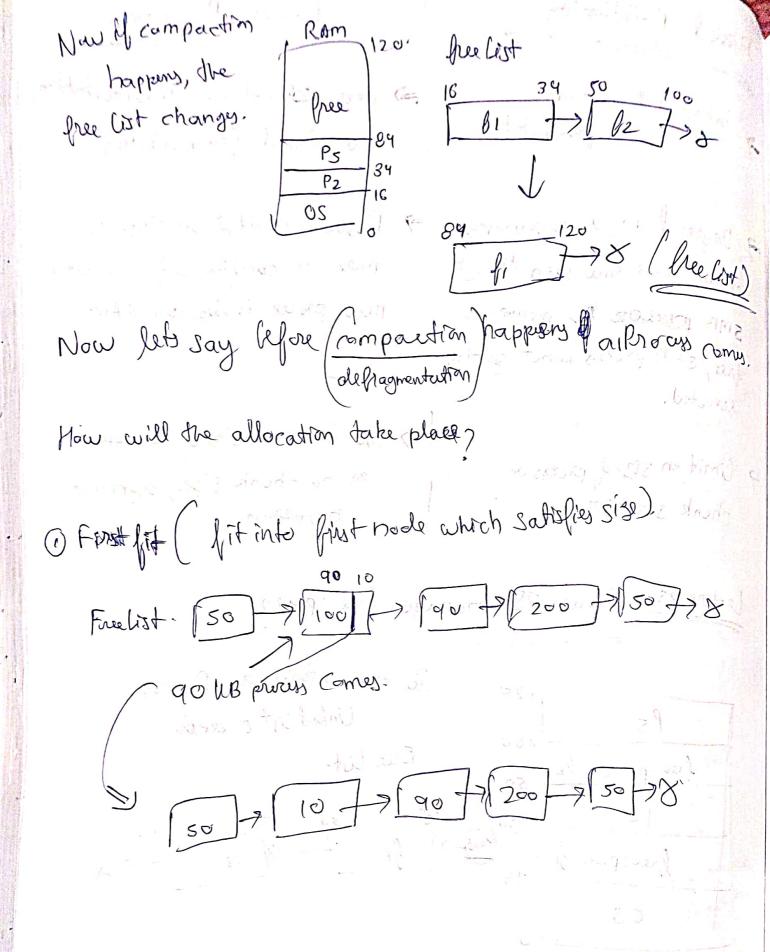
- -> internal & esternal pragmentation
- Degree of multiprogramming is less, as we saw even though free, still process is not getting executed.
- 7 Cimiten Sized process or Chank Size Other

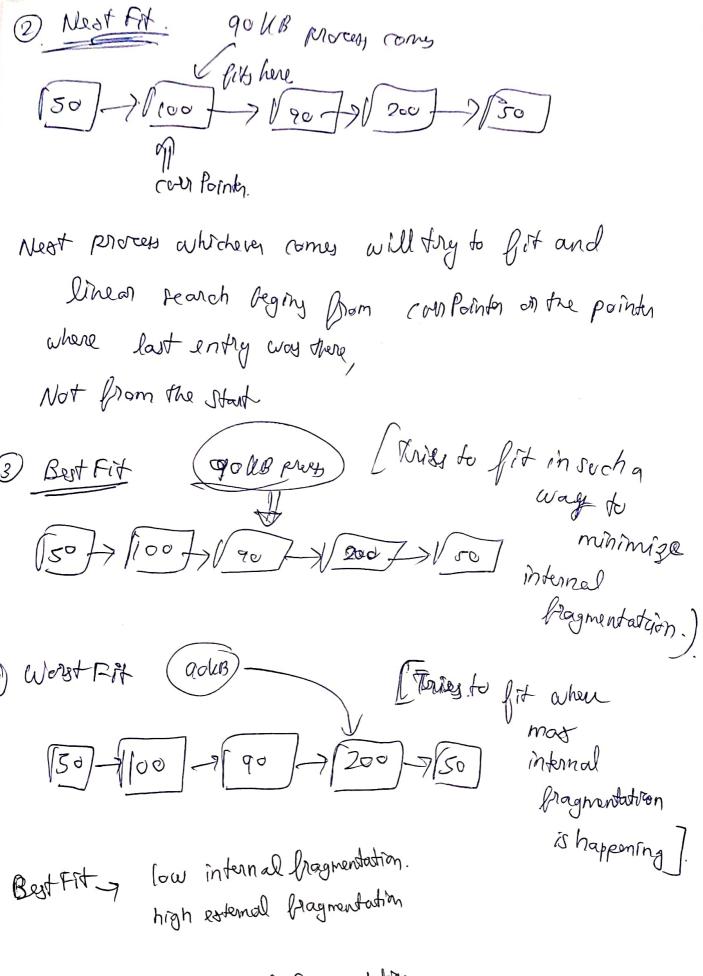
Ognamic Partitioning

- no internal fragmentation
- Pegree of multipleograming is more as conditer Defragmentation, hur process is allocated RAM.
- > No limit on sized process or no chunk size, dymanie partitioning.

Lecture 25: How OS manages free space?







Worst fit 7 high internal fragmentation low external fragmentation.