| 1. Good Evening 9:15 2. Let's begin at 9:10 pm 3. Intro to Operating System |
|--|
| DBMS 1. Homewark - Joins, Aggergades, SO 2. Entra DBMS La Dead locks - Doubts La Full-tent search La Schome La Thigger. |
| Operating Systems 1. Intro to OS - Theoretical Process Threading Concusaoning Synchronization Deadlocks 6. Memony - Theoretical Operating System |
| Le How a Histication would behind the |

Scames?

Agenda

1. Intro to OS

2. Multi programming us Uni Programming.

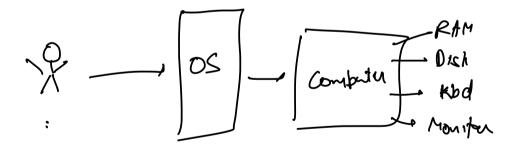
3. Process

4. CPU Schoduling 5. Schoduling algos - FCFS, SRTF

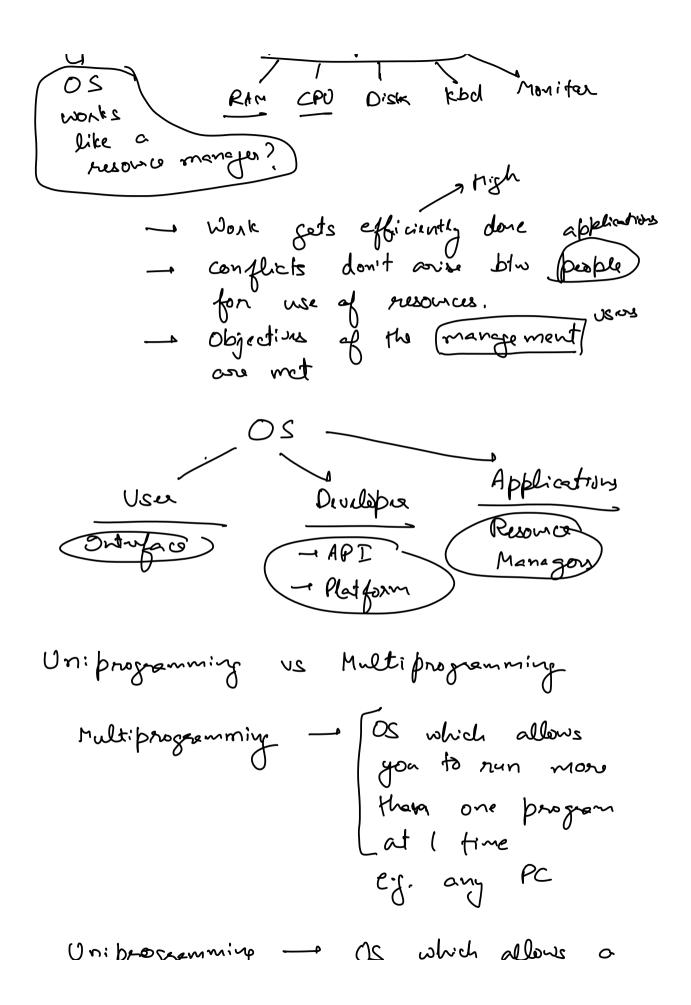
20 et ontre

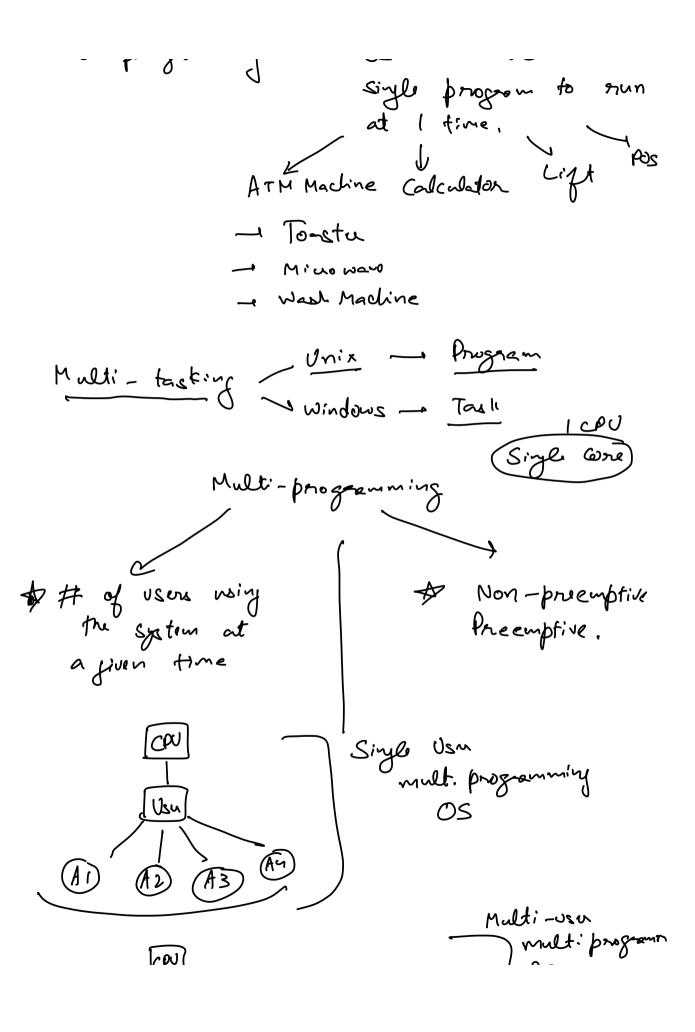
+ What is an Os?

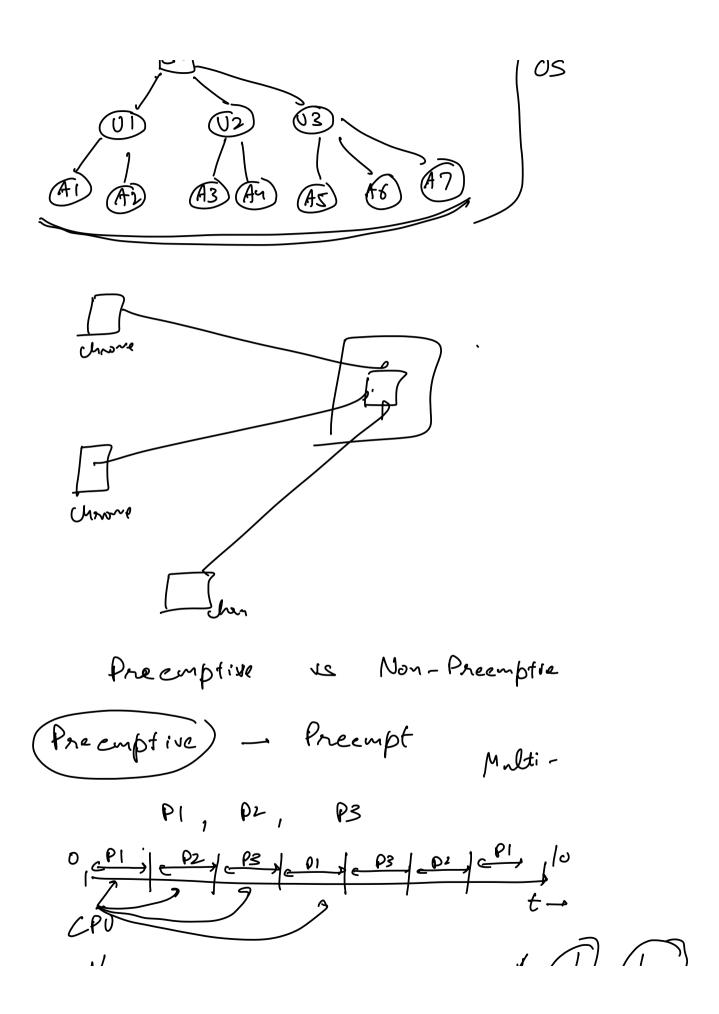
Les Developer Les Applications

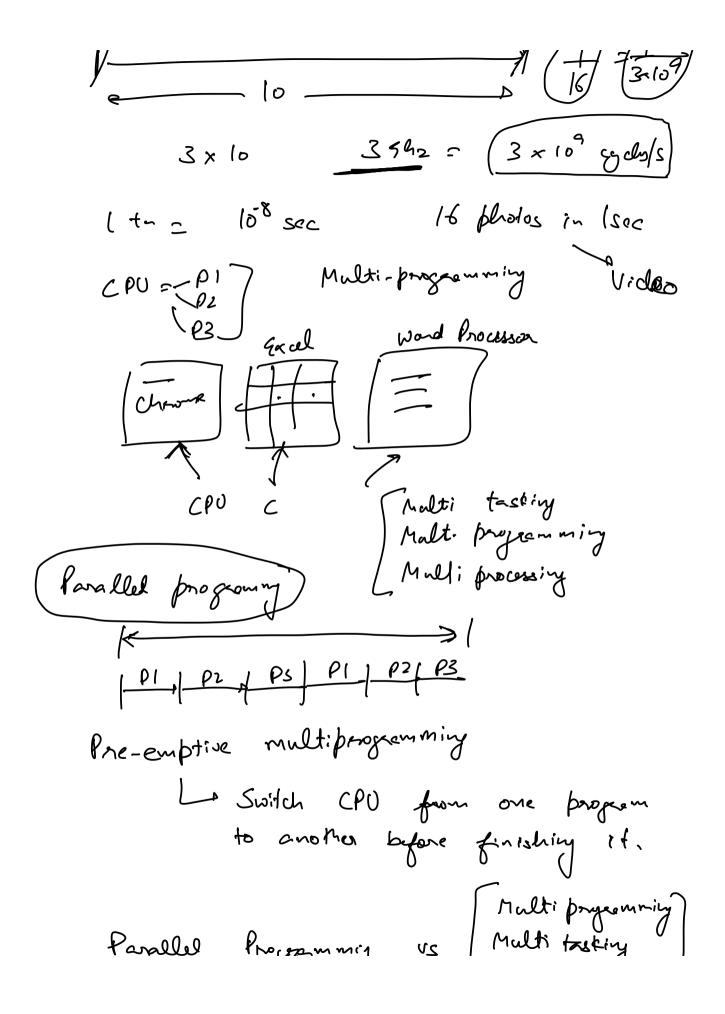


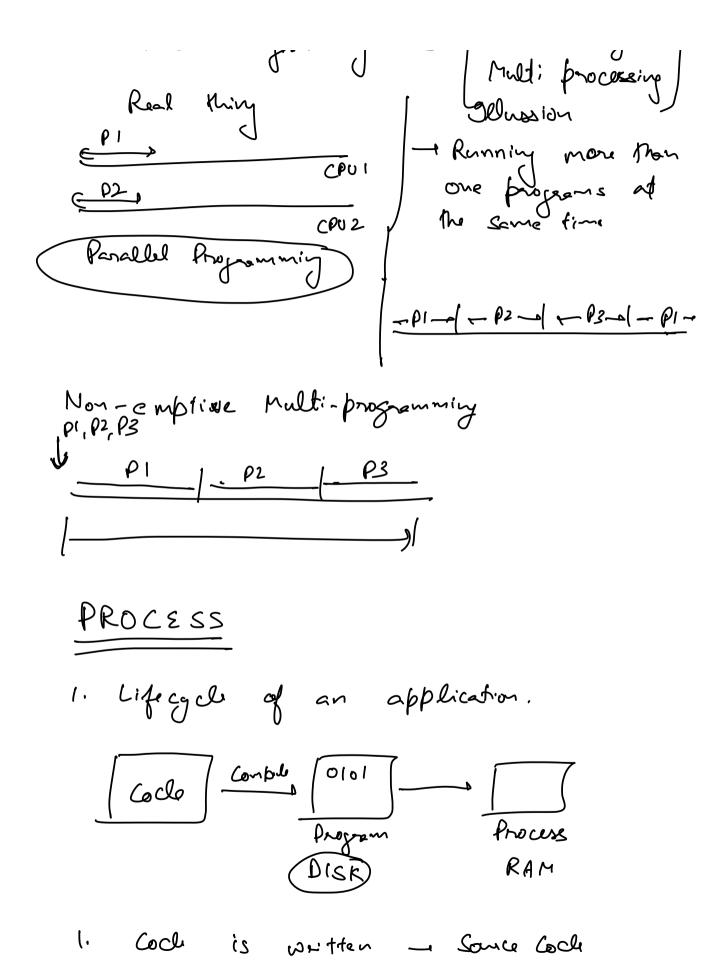
Developer





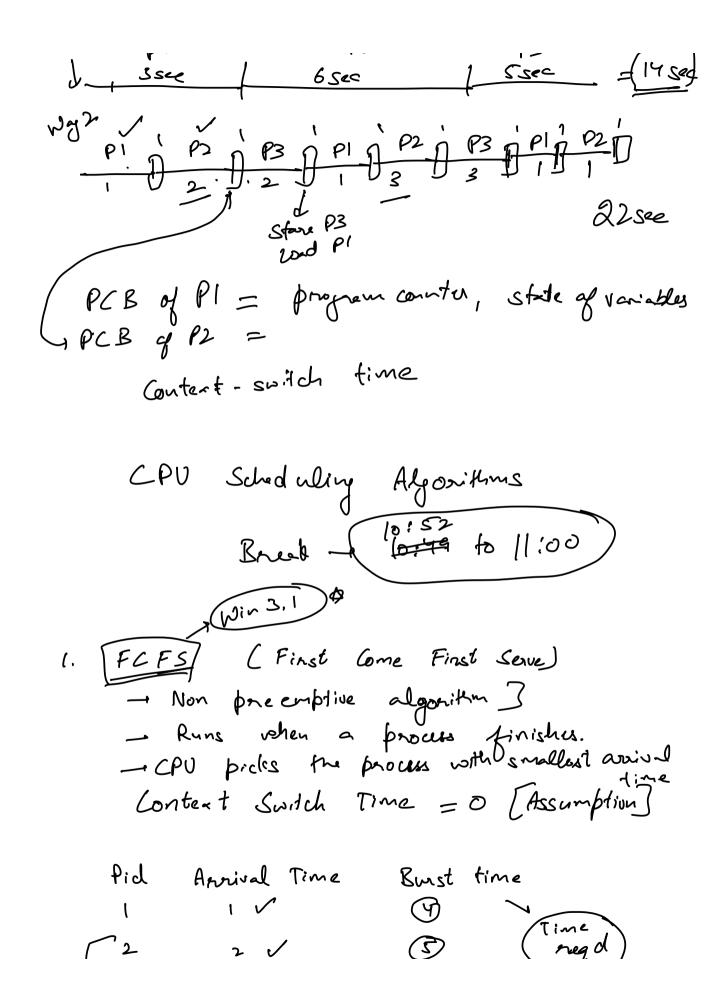


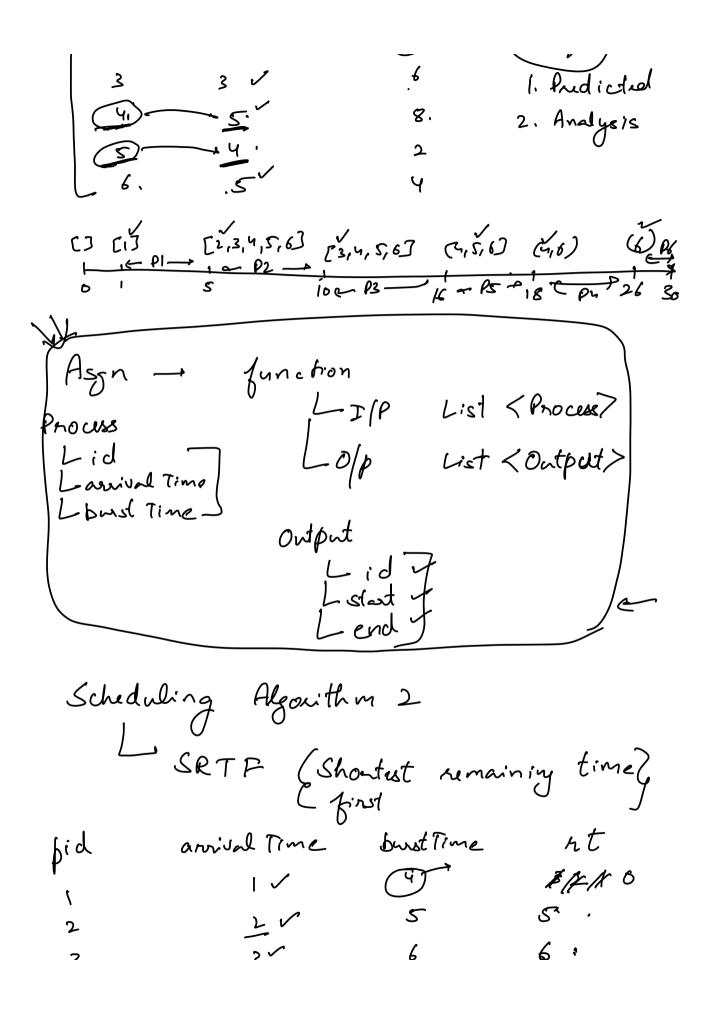


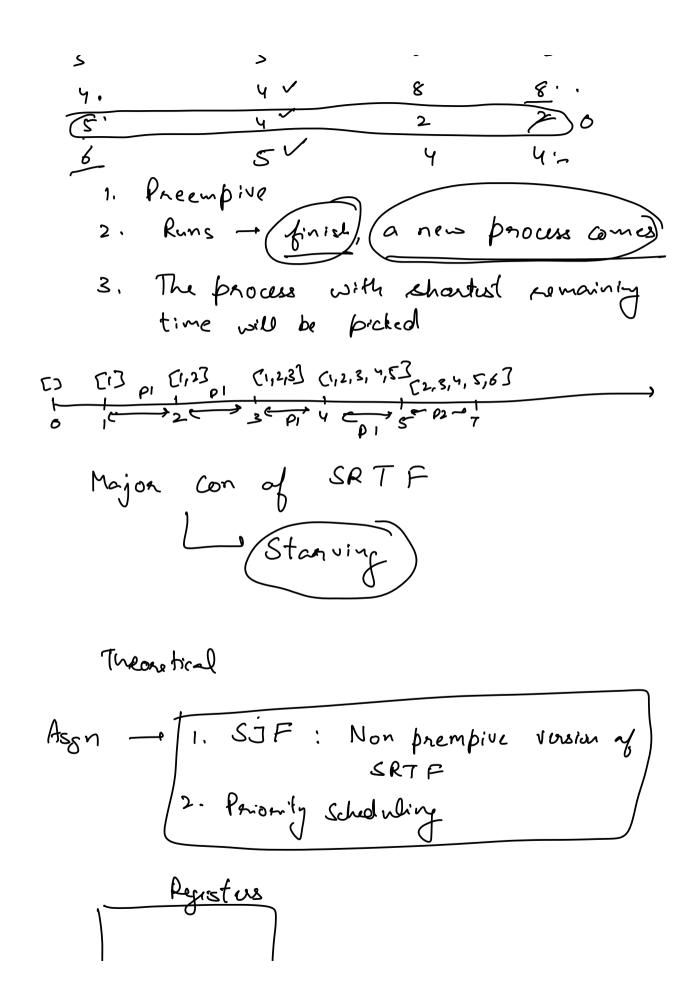


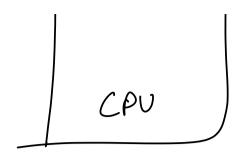
| 2. Cocle is compiled to form a set of instructions which can be run by CPU - proper. |
|--|
| 3. When program is non - it is brought to |
| RAM from hard-disk & CPU starts executing |
| il's instructions - process |
| PCB (Process Control Block) > (a=10 m) b=20 / c=a+b+m) d=a-b |
| Liset of allo |
| Dear to the second of the seco |
| program country Place of voriables - State of voriables - periority (CPU school ling) - Memory Limits DC R |
| - State of vorables |
| - priority (PU school wing) |
| - Memory units |
| PCB How is and |
| How is an os weithin? |
| Types of Processes |
| 6N W |
| 1. Io Bound Processes - Mond chis |
| Word Processon wait for user |
| Wait for user infuts |
| 2 OPII Roma Processes a Taginal-ton |
| |

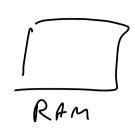
| - Inago Processing |
|---|
| 3. Mix - Kames [CPO] |
| IO Bound Process 1. Process is numning 2. IO regreat is made via an interrupt (a signal to CPU) 3. CPU transfer contro to I (o unit for IO to be done vaiting). Pesource are not being efficiently? |
| Process another program |
| CPO Scheduline (5 minutes) |
| < PI PZ |
| Pros 1. Efficiently use of CPO PI - 3 sec 2. Interactivity P2 - 6 sec P3 - 5 sec |
| Way 1 . P2 . P8 |











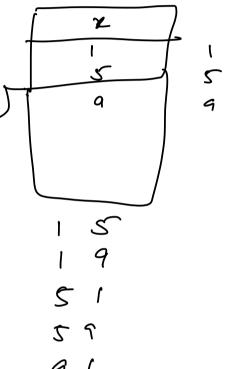
OBS

Soled MIN (ABS(p1, 2-p2.x))

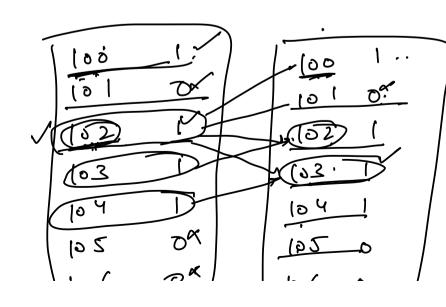
FROM Point Pl

JOIN Point p2

ON $\beta(\cdot x) = \beta 2 \cdot x$



75



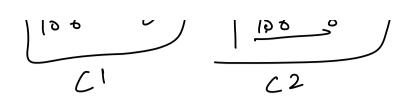
"Sched clisid

from

cinema cl

JOIN cinema cl

ON clis-1 AND



C2 , 6 = , 1

AND

(c1. s | d = c2. sid+1

) c1. sid = cl. sid-1

