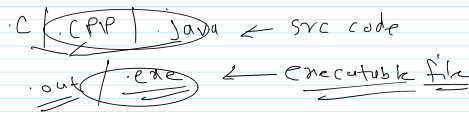
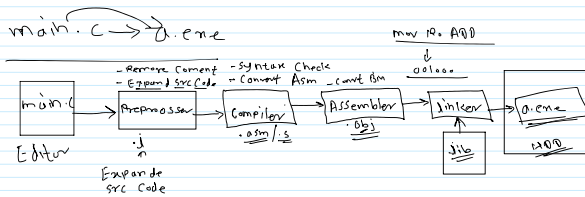


\* Program: Set of instruction to do any specific task.



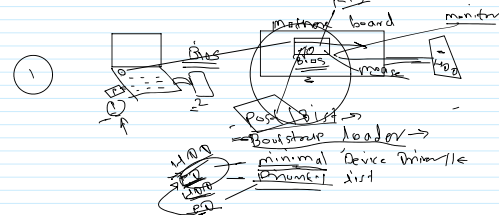
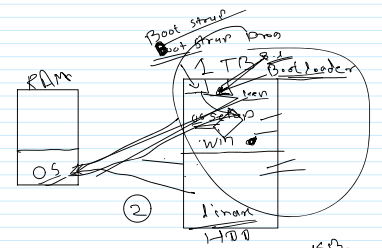
\* Software: Collection of Program



a.exe	
exe header / ELF header	→ magic number, entry point, etc.
BSS	→ global / static variable, uninitialized
Data	→ global / static variable, initialized
code / text	→ executable instructions
RO (Read Only)	→ constants / string literals
sym table	→ symbol table

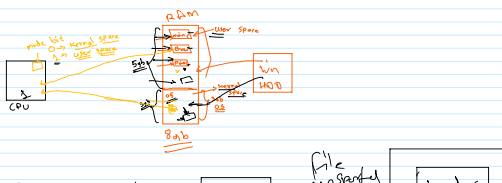
### \* Booting

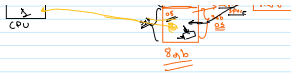
1. Bootable Devices: it store OS installation setup → HDD
2. Boot strap Prog: it load OS setup into RAM
3. Boot loader: it give user choice regarding OS



10.55

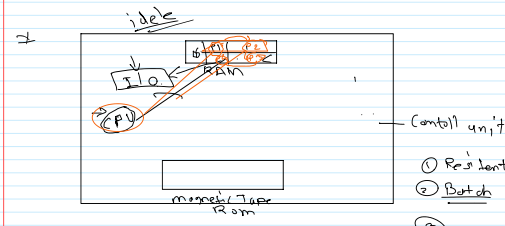
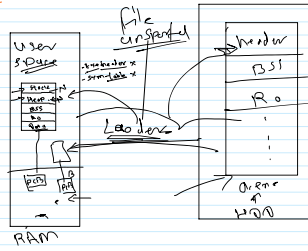
— Dual Mode operation:





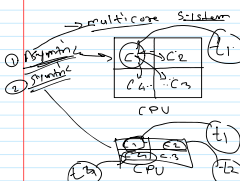
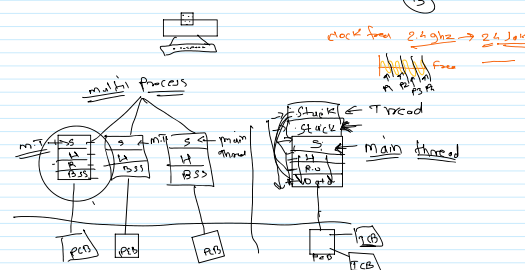
## 2 Process management

- Process creation
- Process communication
- Scheduling



→ P/F  
 → S/S  
 → O/I/O  
 P/F → O/I/O  
 S/S → I/I/O

- 1 Resident monitoring
- 2 Batch



## 1 Process states

