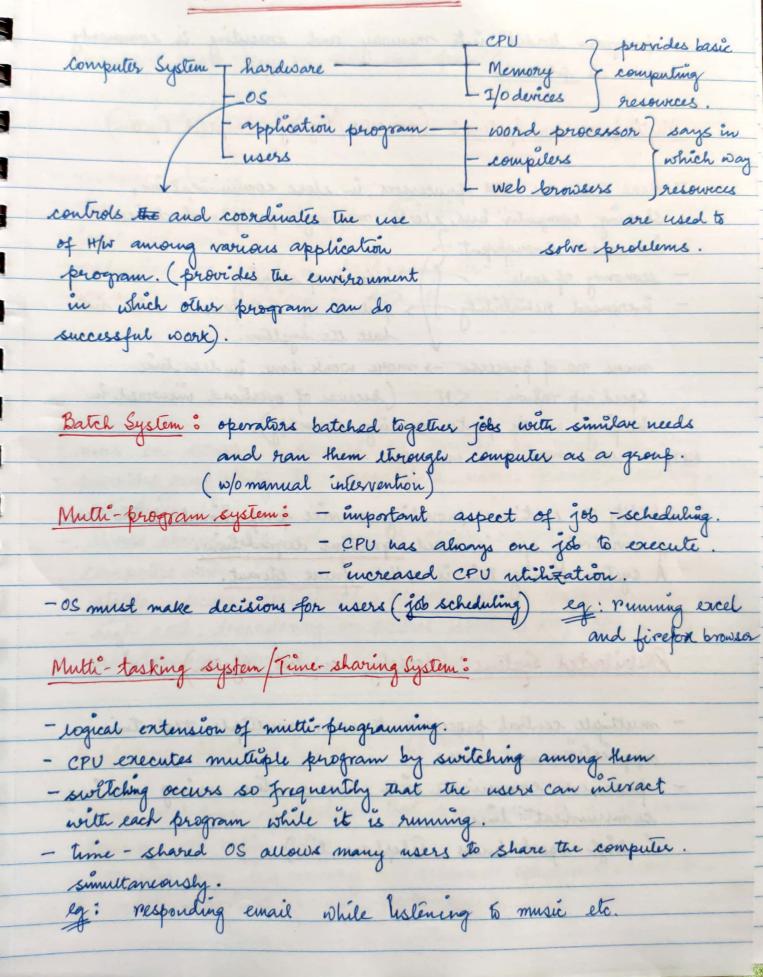
## OPERATING SYSTEM



A program loaded into memory and encerting is commonly known as process. Multi-processor Systems: (paraller Tighty - coupled system) - more than one est processors in close communication,
sharing computer bus, clock, memory, peripheral devices - increased throughput 

- economy of scale because of sharing

- increased rehability failure of one process will not halt the system. Speed up valion: < N (because of everhead incurred in keeping all the parts working correctly).

NOTE: use more than one CPU ability to continue providing service propostional to the level of surviving him is called graceful degradation.

A cyclim having this is called fautt tolerant. Distributed Systems: (loosely coupled system) multiple central processor to serve multiple real-time applications and users. - processor communicate with one another using various communicat lines. ( high-speed buses, Telephone line)

- processors may vary in size and function sites/nodes/computers etc. - resource sharing - speed up in data exchange through smail - fault Collerant - reduction of load in host computer.
- reduction in delays in data processing Network Operating Systems: - sums on server (accessed to remotery by many/one users)
- provides capability to manage data, users, groups, security, applications etc. - allows shared file and printer access among multiple computers within LAN. - stable, secure, centralized, remote access possible.

- high cost, dependency on central location, raquilar maintenance required. Real-time Operating System: (RTOS) - serves real-time applications that processes data as it comos, typically w/o buffer delay.

- occupies very less memory and consumes optimized resources.

- most important key: performance