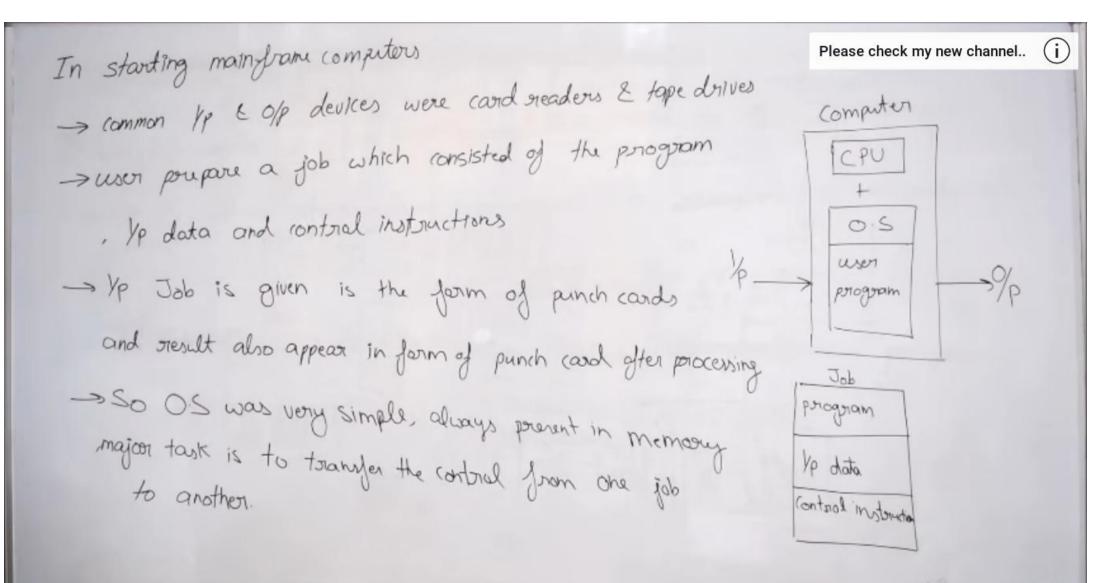
Operating system is system software -> It acts as an intermediatory between h/w & user -> Resource manager - manage system nerounces in an unbiased Jashion both h/w & S/W -> prodes a plateform on which other application programs installed

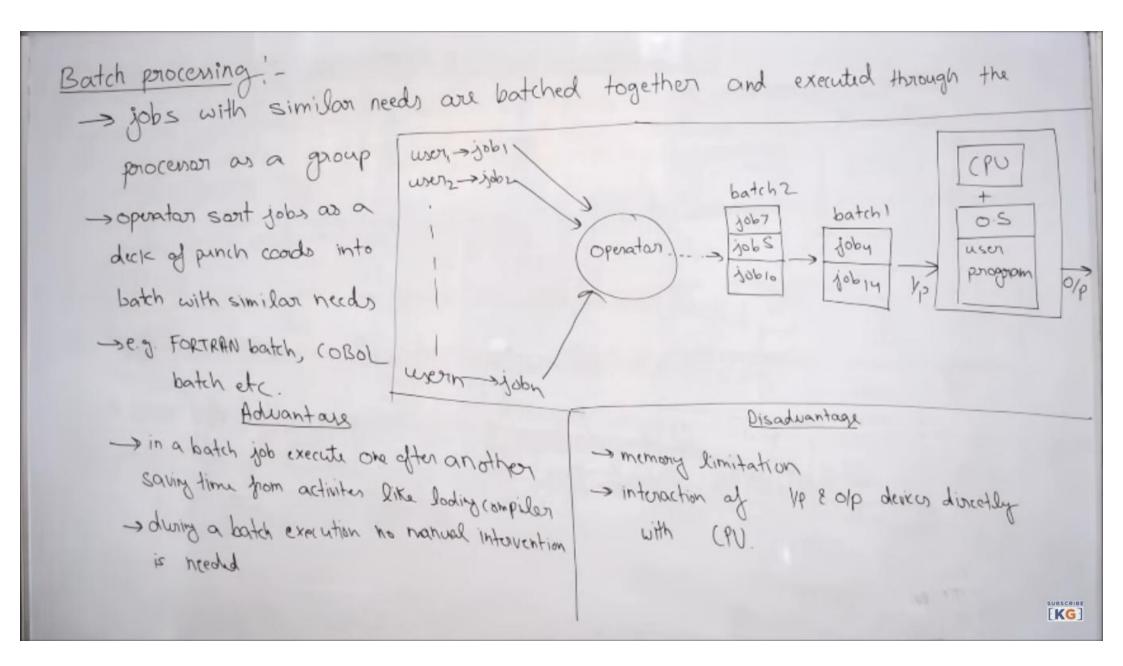
Abstract view of system! usun user 1 Juser 2 compiler assembles M.S. office VLC NFS. Systm & application programs Operating System

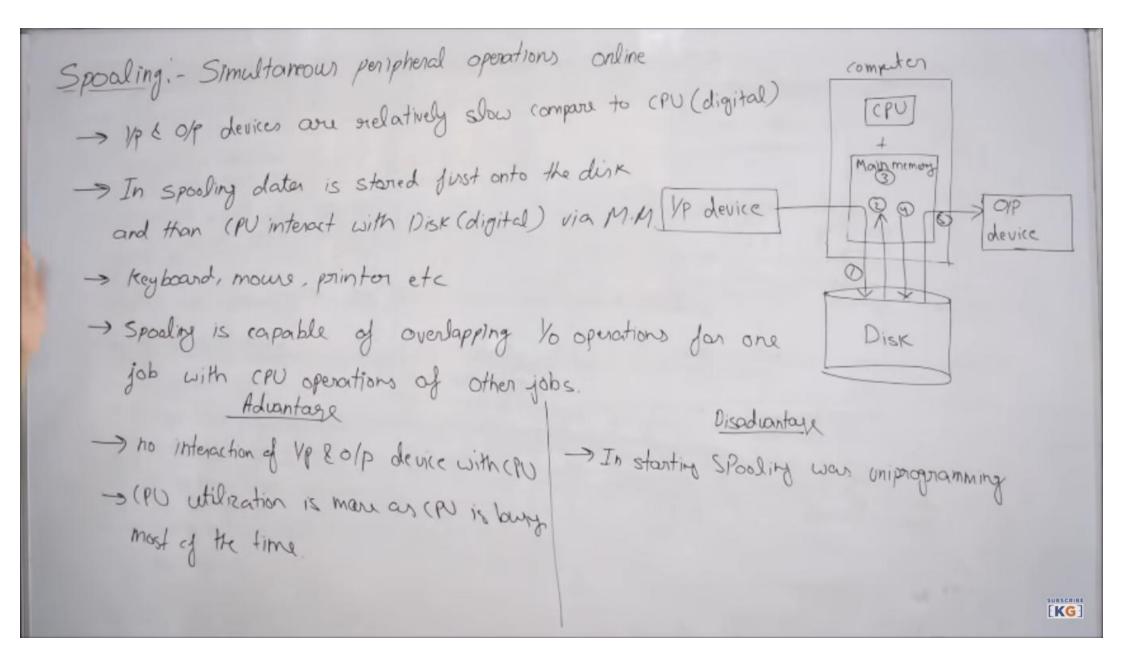
Computer +
handware



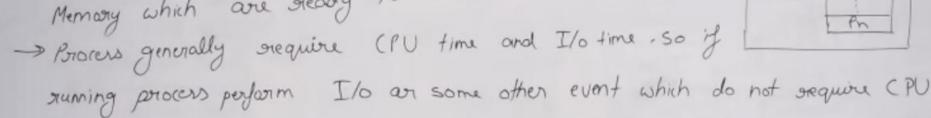
Functions of Operating System Goals of operating system -> Process management imory goal -> Memory management > convenience/user friendly > 1/0 device management condary goal -> File management Network management -> Security & Protection







Multiprogramming Operating System! Maximize (PU utilization) Multiprogramming means more than one process in Main Memory which are needy to execute.



then instead of sitting idle. (PV make a context switch and picks some other process

, and this idea will continue.

TPU never idle unless there is not process acady to execute on at time of context switch Advantage

-> High CPU utilization

> Less waiting time, rasponse time etc

> May be extended to multiple users.

a-days useful When look is more.

-> Diffell scheduling

-> Main memory management is required

-> Nemory fragmentation

> Paging (Non-contiguous memory allocation)

