K HOD physical structure 3 main parts -> Cylinder, Hack, sector \* Novo RAM has data en form of Digital Signal (0,1) -> 1+DD must store thes in some formet. k HOO stores in magnetised disection (North, South) \_\_\_\_\_ mapped to (0,1) & SDD Stores In John (0,1) only R OS provides prograce to application programmer to hide this complainty \* 0.5 also has responsibility to use the HDD hardware efficiently. AS HDD are slow, OS has to optimise the Seektime, which is time to move arm to desired

y dirder frack. \* Each application program in in Control of 0.5 and is requesting for HDD clasa. \* All these regusts are aggregated together and scheduled. \* Tist like O.S schedules
povenes, It schedules I/O regists to HDD from multiple processes. Disk scheduding SSTF Scan Look Ctok F(FS

Disk formatting R New HDD is just blank slade Done at John Monufacturing
Low - level formatting time

[ Dividing Disk in to sectors] Magnetic Magnetic so coadd in

frack like

frack by standere by header Data trailer Monufagneror. Container sector data like sector Namber and Essor control code

Before OS Can use HDD, it loads its own data structure Step 1 => Parditioning linea > Nixe dagier Step 2 => Logical formatting

Creation of

file system