

## Lec-13

& Now to implement Atomiticity of Durability? 1) Shadow copy scheme ] db-pointer Oxol Cold DB copy Define update.
(disk) new copy complete. 0x02 new location.

new copy
on Disk V All operation db-pointer updated to > notify Ten Commit Log Based Recovery!-Logs (stable strage) B ₹1000 22000 read (A) A:= A-50 < To Commit > wate (A) B:=B+TO write B)

O Deferred DB Modification Immediate DB modification < To Stat > > old item value (To, A (1000), 950) new, tem volu. < To, B, 2000, 2050

