



Lec-12

ABC Bank

7/000 from Bak A/C A to A/C B read (A)

read (B)

System - 23000

Ti: pre comdonaterak.

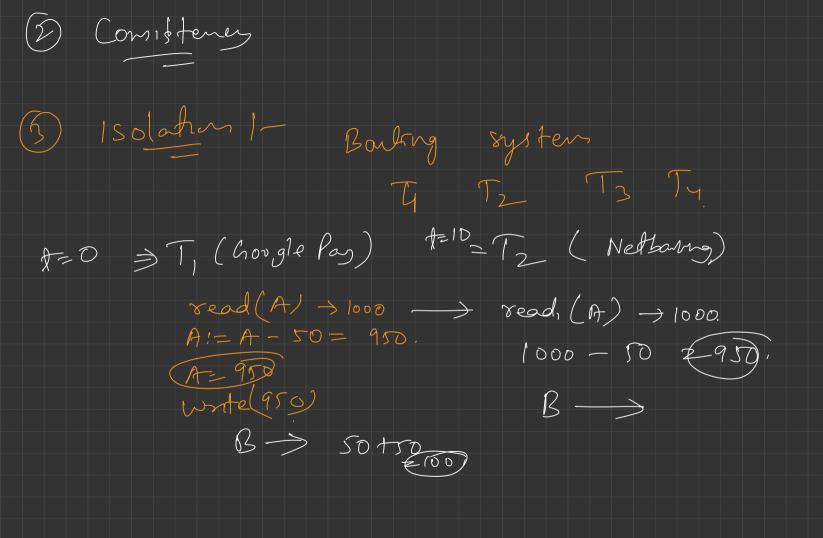
Tark 1-> 250

Tranactur 1

A:= À-50; Write (A); 6 steps B!= B+FO wnte(B)

read(A) read (A) A:=A-50; Wnte(A); read(B); B:= B+50; unte (B); Atomicity read 2000 950 = 1000-50 1950 Write (A) read 2000 200010 wrhe(2050) 950 2050

Succenful, Dasachun > fail > old state recovery. -> maintain -> old state. intermediate state. Rollback Oldstatea



6 Durability 7 -> Succen all 6 step -> (Succent) DB updarden permanent (persistent) Even if here is a system failure after
T completen
encente. recovery - mgmt Componet. read (A) log (50) log (mre 11) A:= A-50 Whe (A) (Read) Read (B) B:= B750 vote B, Systen crash A States of Trantion (life cycle) now to Implement Atomicity 2. (Lec - 13)