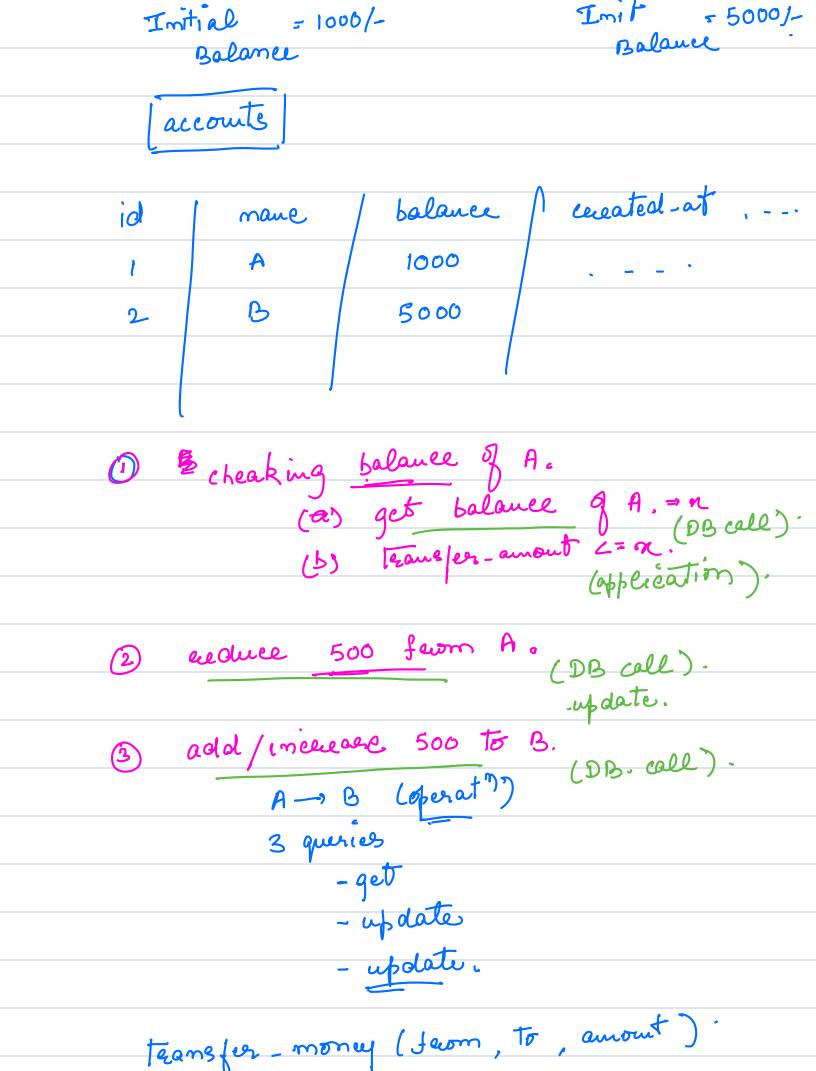
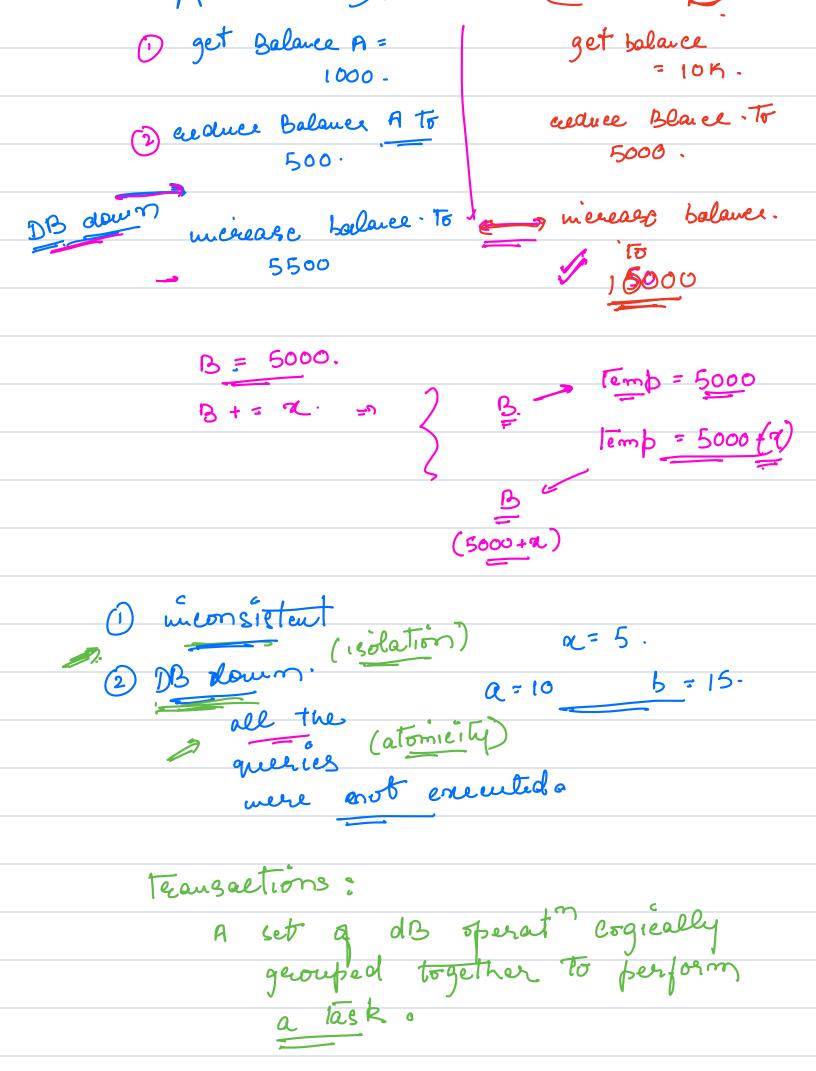
Agenda - what are Transact - peroperties of transactions → A, L, I, D. paraetical (- How do Transactions work / 2- transact solation levels- 2 Tausactions - standalone - operations (query) which have to done Together. 500/-



multiple SQL queries and some condition checkso Parealel calls. (500) C → B. (5000). 0000 5000 B 5000 | 10,000 | 5500 } 5000 5500 | 10,500 | 10,500 | 10000 crequest (both) at same time, "Back. get balance; math; update sevon amout ; update to anout.



Transact Peroperties atomieity - consistency I - Isolation D - Durability Atomicity conculerent pergeraning no content suitching nothing can affect the execution q au command.

115 e11hes (0,1) everything or nothing at all. transaction update B. break Till 10:35 Consistency - correctness.
- celiality state (i) ----> state (2) 1 teransit (2) valid consistency means that the integerity a transit fewn i valid state to another valid state Toposty

Money cost invalid state of 10,000 Micros get () 10,000 10,002 consilerey for availability Isolation

after a themsuch

desolation means one transact should
not affect another ton eunning at same time in DB in a
weiong way.
no isolation led to no consileur
dierly read - read ucommitted data thanton read -
Phanton read
50m 1. tom 2
1) get - 6 evous D'unite (match condition
conditions in thomis
3 get -> 7 coms
3 get -> 7 comes 6 comes 7 comes 10 tom 2
seems = upart
Durability
once a teransact is completed we would nant it to be persistant.
mant it to be persistant.
Son disk Z.
aedis (K-V database).

1) Atomikity - Everything happen or mothing 2) consistency - whatever happen, should be.

valid at the end-

- 3 geolation one tom should not interfere with another, to give mentected out comes.
- (i) Durability once au outcome has been achined, it should persist.

L & Com stustente

commits and wollbacks

id nane psp batets 1 Ayush 70

update students set PSP = 80

where id = 1.

PSP ==	, id = 1
assempt :	whatever is updated in DB.
	aufo: Github
siate state	
update of	91 auto commit : taul.
celect	13 tom (b) tom 2.
	elect 2
	Commite
what pa	noperty is taken care of
whe	,n we committee.

Select & few (states

Dura Silily

A -> B 500.

1) cheek balance. canother Thread). bolance, update B balance A (feared) finished updating A

evoll back;