TRANSA CTIONS -02
A G ENDA
1≤01atwn levels ≠
- Read Committed
- Repeatable Read
- serializable
- Deadlocks in sql
staut by 9:05 PM 1ST
15010tion level— what you as user would Read
Read uncommitted - Reads latest data.
Purblem - dirty Read.
2.7 Read Committed: [PSQL]
- Always Read latest committed values
on ly.
① sis start (Read UNCONM)
2 s1: select *
3 S2: Start (Read COMM)
S2: select *
sı: update value, but x commit
6 s2: select 1 — last bounded value

*) PROBLEMS:

2 1921)					
id	Name	PSP	cmail_se	ent	
1	yosh	60	F	Τ	
2	Aman	79.	۴	T	
3	Rahul	7 0	F	Т	
۲	promod	24	4	Ŧ	

Q.) sendenail to all students where PSP < 80;

then: update enail-zent to true

ratimos

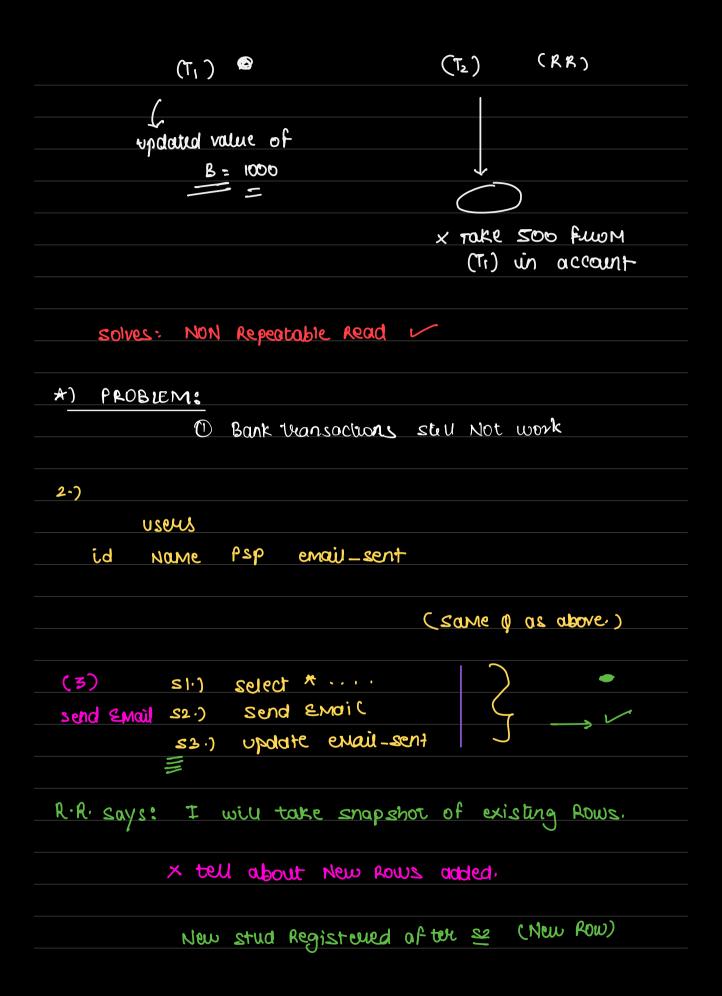
1501. Level -> Read Committed.

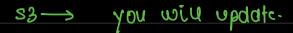
PSP decuease to 79 — after se

funblem -> flag updated but small not send.

is called: NON Repeatable Read.

	Read uncomm	itted < Read Committed <
	\uparrow	Repeatable Read < sewalizable
	uost unient	Most swict
3.)	Repeatable Read:	(defaut in MysQL)
	when Reading	for 1st time → Read Latest
	0	tommitted value.
	•	
	throughtout	- transaction keep Reading same value
		. 0
	·) Mysql takes	snapshot of table
		keeps same table snapshot.
	(T,)	(T2) R.R.
	Read comm.	
	4	
	MANA	→
	Z	Read purpose
	Bank:	vitially B= 500.
		,







update -> for our hous!!

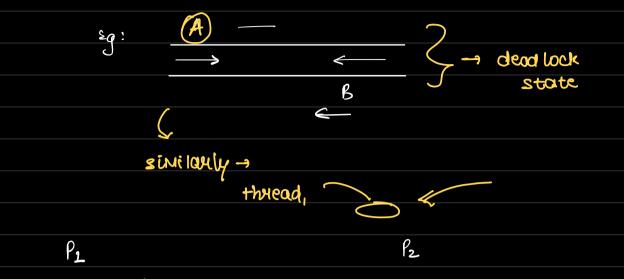
Publem - PHANTOM READS

Phantom Read → when a New Row is inscribed in table, Even R.R. Isolation doesn't take carre of it — why-because it deals with snapshot of existing data.



exculsive max - only by sendusable 2
× Redd × white.
disadvantage - grucuis would be slow.
= alsominage : appeared would be stown
7
How do you tell mysgl -> 'For update'
11000 do 400 con mázic 3 131 2/2
exclusive lock;
eg: select * floom fulm where id= 20
For update;
<i></i>

#) DEAD LOCK:



two functess working



dead lock !!

two threads wait for mesources on
each other