



Non-Repeatable Read]: Same as dirty Read. Head Some other thansaction, writer between an ongoing transaction, and now the 2nd read value, dog not match the 20 1st one Only diff is that \$ 182 committed in this Case than Divity Read Phantom Ready will bout town of SALES (10) 10 6020 0 situal selizio 21 elizione all'arpid all'arontro PRFCR . [phosped misphosite 11 20 point and 4 mothering bid altily flooting body . Tronsaction1 Foch owner in a trunsanter BEGIN SELECT PID, ONT& PRICE put in From SALES Will E DILL E BOOM A) STRONG SALES Producti, so to so postinser anto sales Product 2/80 VALUES. (New Row for Sport of soul boar so Browd 3 SELECT SUM (QNT& PRECE) the beametic from SALES! Mitgo But vienziaming 12 began 12 fe COMMET 182 · Seriolizate: Unangactions Connor COMMIT 781. This would be by sund possib account for the new Raw as well which it should not have.

Isolation levels of for Inflight transactions.

There are levels that are implemented by databases to fit those

Read Phenomena, that we saw in previous slide

[astert] I have a liferally provides no

Read Un Committed > Lowest level, Literally provides no isolation, any change from the outside is visible to the transaction. [No Isolation Basically].

· [Read committed] Little bit of Isolation, Instrument Smith Smith Little bit of Isolation, Instrument Stuff- In Inches Committed Stuff- Inches Committed Stuff

e [Repeatable Read] > Nice Isolation. Each avery in a transaction only sees committed updates at the begg. Leginnign of the transaction.

Apply Lock read Lock to the nows or table] we stamped Lock]
But verstoning 15 better, It is optimistic lock [Stamped Lock]

· Sentalizable: transactions cannot be executed in parallely

Thory house to be executed one by one

(Slowest)

(Jastest to slavest)

Isolation Level	Dinty. Read	Lost updates	Non-Repeatable Reads	Phon tom Reads.
Read Uncommitted	may ocar,	may ocon	may orca	mayoran.
Read Committed	Safe	may ocass.	may oce ws.	mayocon
Repeatable Read	Safe"	Safe	Safe	Mayoccor, Since adding new
Serializeable	Safe	Safe	Safe	Now has no lock

Consistency Consistency in Read (Eventual Consistency)

*Consistency in Data) (All replicant phis Stores which user have some data)

Take1: Pictores ID to like Map.

Pictore_Likes

	1
70	Likes
	+
1	2
sV .	
2	
•	

USER PICTURE_IO

Englished in Rade

Inconsistency Among these two tables is okay. Is nobody is going to sext match the follown count to likes rount

5