Final exam: Tuesday, May 18th; 1:00-3:00

- focus on 2nd half of senester: design — 180 lation levels

\* isolation levels implemented with locks: Row level locks

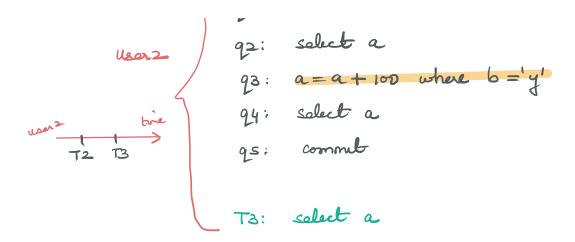
- wortes: exclusive locks

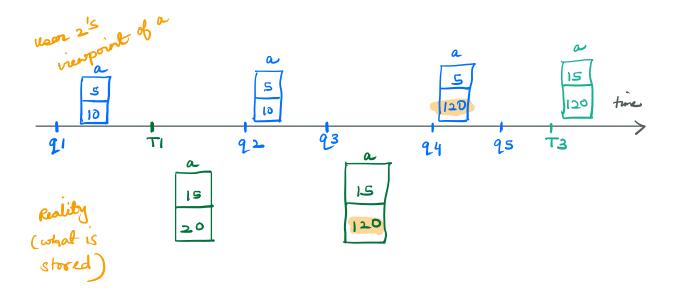
- reads: shored locks

	Wnites	Reads				
Read Uncommitted	x-c	no locks				
Read Committed	Х-с	R-S ( guery completes)				
Repeatable Read	X - C	R-5* (read from commetted debbase the first line;				
Serializable	X-C	R-C read from cache for all				
exclusive locks held (read lock with transaction completes completes)						
until toansaction completes completes						

## Example that shows phantom triples in MySQL

a	Ь	userl	STU	a = a + 10
5	X	(LAPPY	L	commit
10	y			





my SQL only shows phantom behaviour in the now you changed. Other nows remain unchanged