

Agenda:

ACID

commit, rollback
read uncommitted.

[Read committed
Repeatable read
Serializable -

t1
read(b), b=400
b = b + 200
b = 600

rollback.

commit;

t2 (loan check)
7 = 600

read(B) = 600
if (b >= 600)
loan approved

Dirty read

Read committed



always read committed data.

t1
select film
↓ id = 10;
"DDLJ"

update film = 10
= "KHNNH"

commit;

t2 RC
↑

select film
↓ id = 10;
"DDLJ"

select film
↓ id = 10;
"DDLJ"

select film
↓ id = 10;
~~"DDLJ"~~ KHNNH

Q1

Summary of the orders

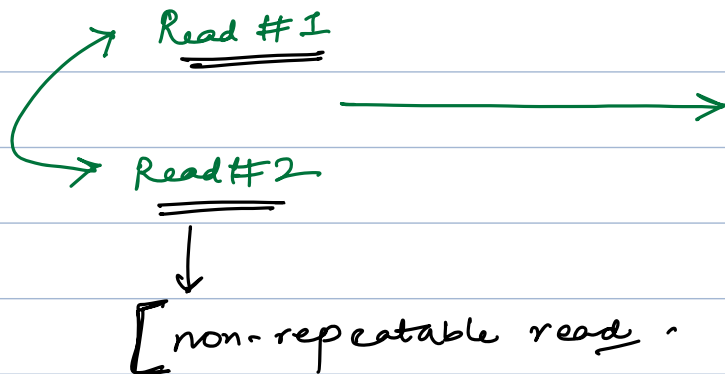
total = 10 orders, revenue.

Q2

individual data about
orders.

total = 12

some other trⁿ
created two
more orders.



Repeatable read

t1

revenue : 11804

revenue : 11804

revenue : 11804

revenue : 11804

phantom read

t2

revenue : 11804

update price

revenue : 22000 -

insert/delete

revenue : 11700 -

commit;

up.

