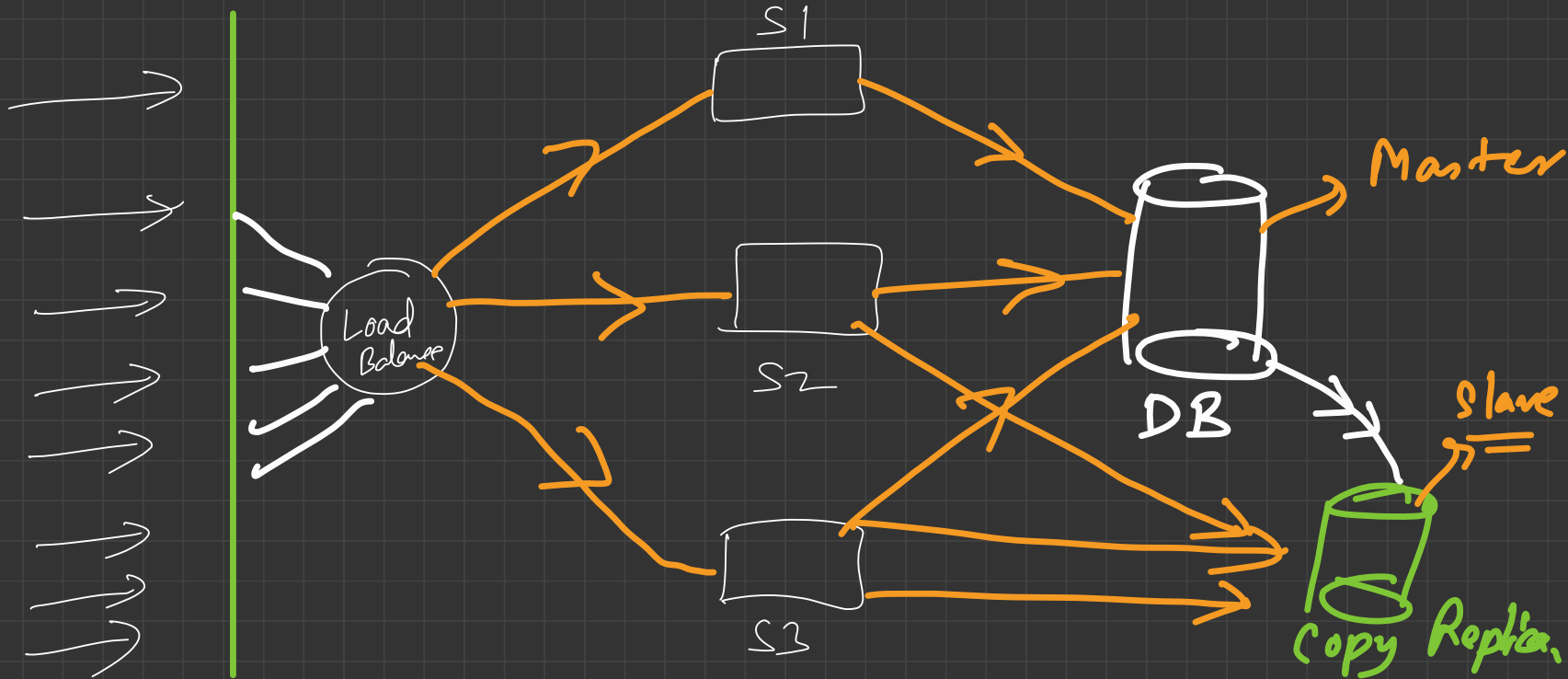



Lec-21

* Master - slave Architecture **



* Single Point of failure

→ Master node → Write operation

→ Original DB

— Latest DB

→ Owner DB

→ Primary DB

→ it has latest info.

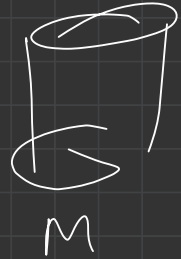
— primary Latest update

→ Slaves / Replicas → Read operation

— DB Replication (has Replica)

Now Replication happen?

$t=0 \rightarrow x=10$



$t=10 \quad x=10$
Slaves

$t=12 \rightarrow x=10$
Slaves

→ ① Asynchronous / Async.

→ FB Comment / Likes

② Sync.

→ Banking App.

Q Slaves gets update query ??

(1) ignore / never allow slaves to accept write

(2) Allow it, if you have to make a way to propagate it to master.

~~M-S~~

M-M

→ Lec 19 Pattern 4

* Advantages

- ① Back up.
- ② Scale out Read op.
- ③ Availability
- ④ Reliable
- ⑤ Latency Reduce

DBMS Placements Series 2022

Over

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Revise

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S&L

★ ★ Googling ✓✓

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— love Babbar codehelp

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