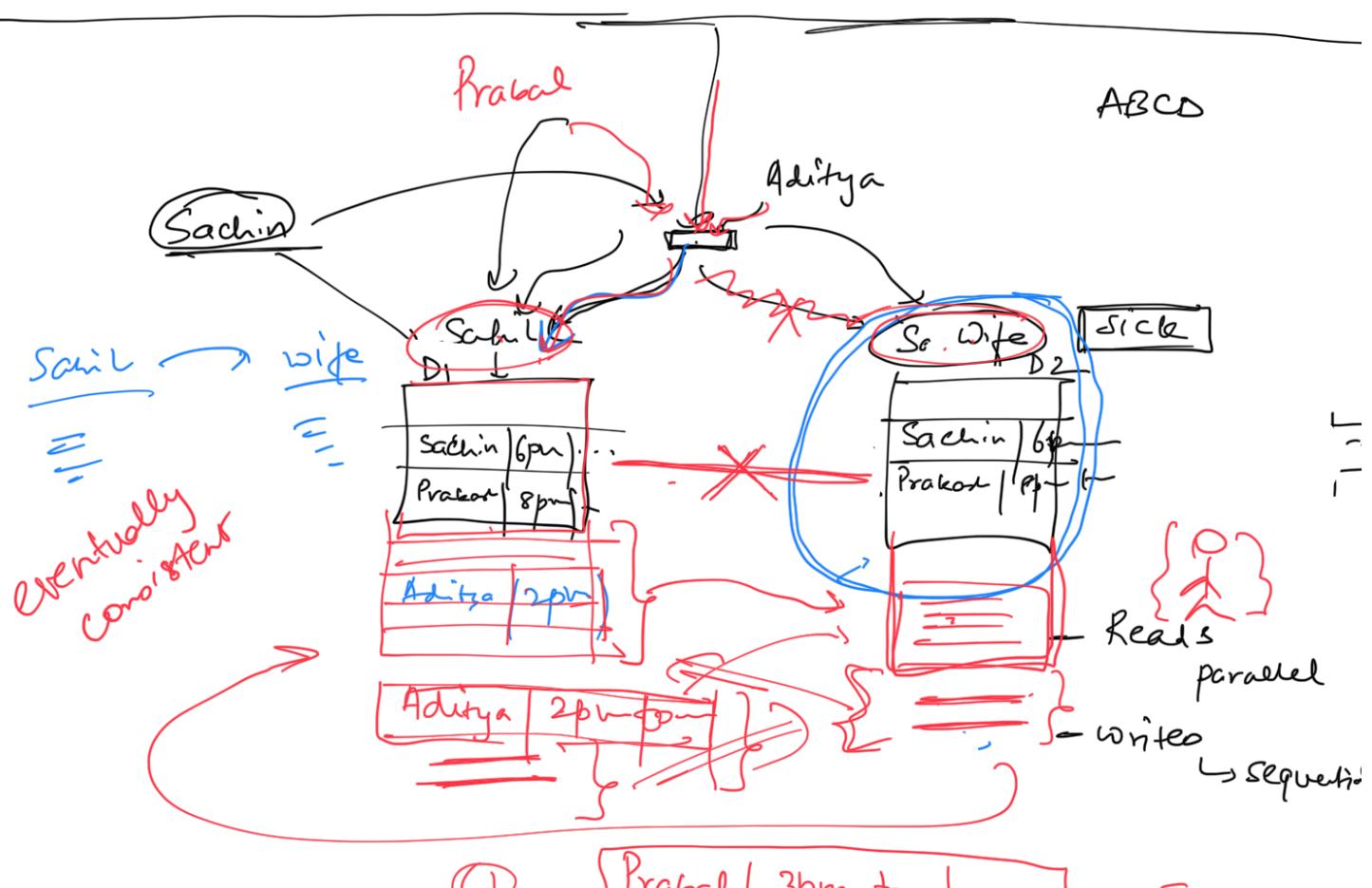


CAP THEOREM + REPLICATION

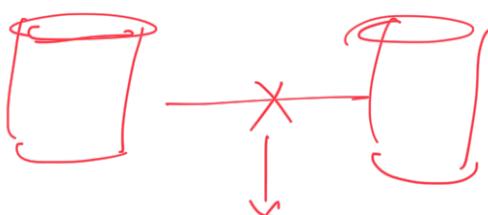
AGENDA

- ① CAP + PACELC
 - ② Replication (Master Slave)
 - ③ Intro to NoSQL (Need)



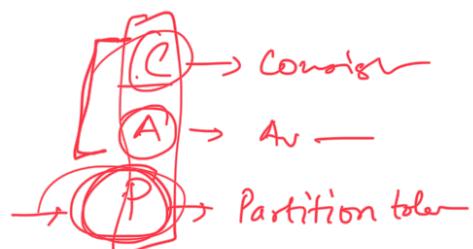
① Prabal | 3pm tom | → Inconsistent

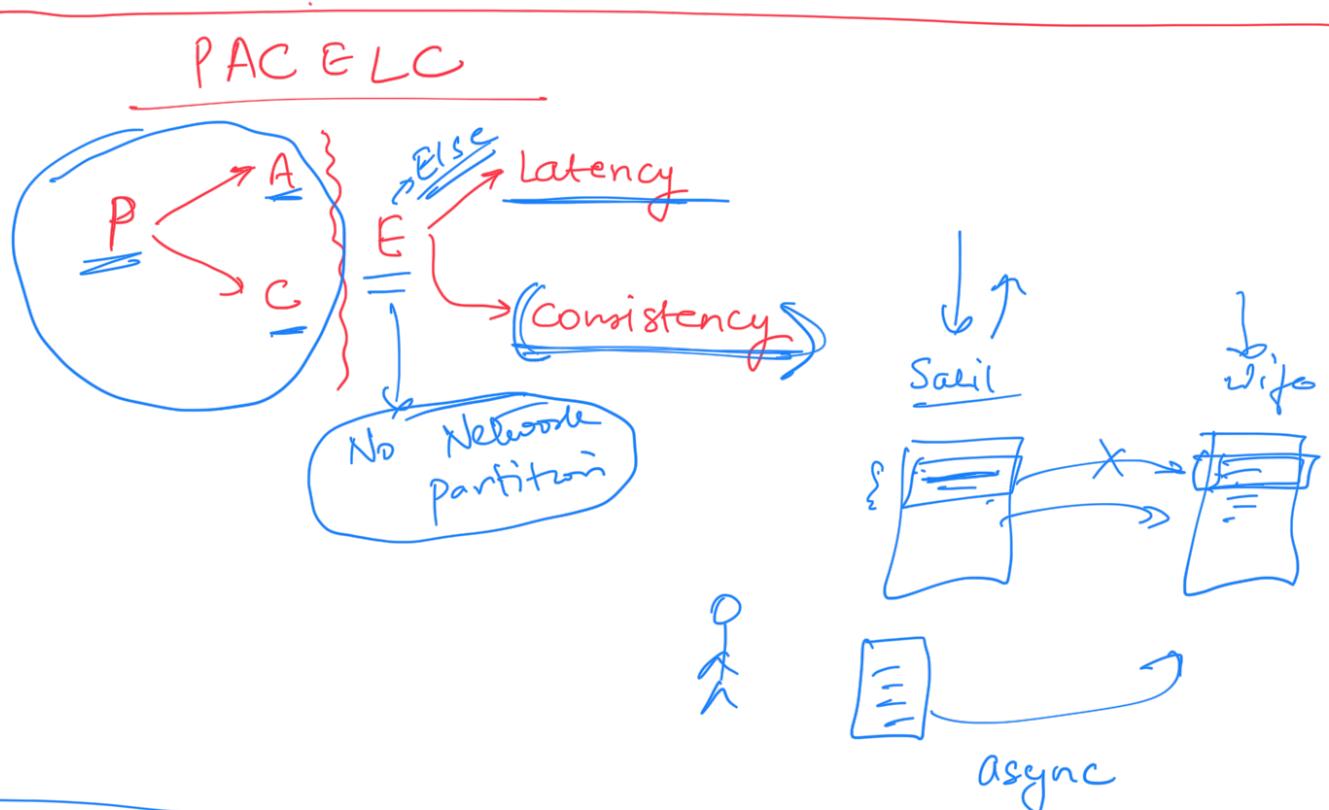
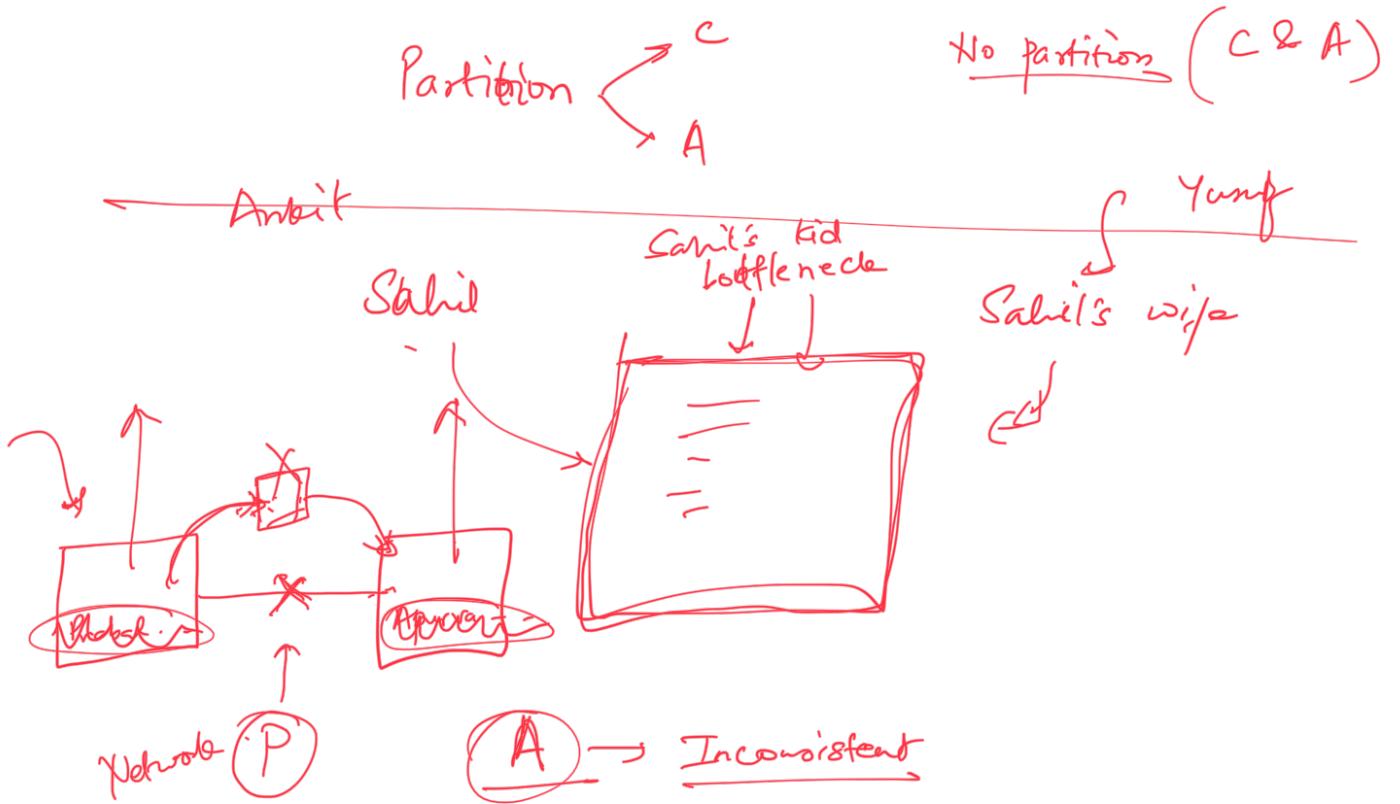
② Worm fails → Availability issue

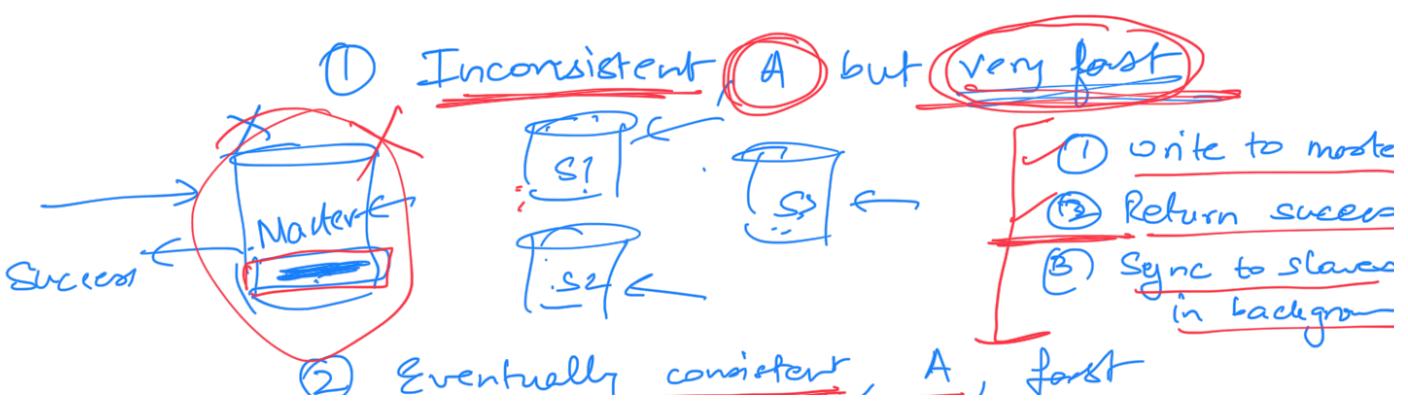
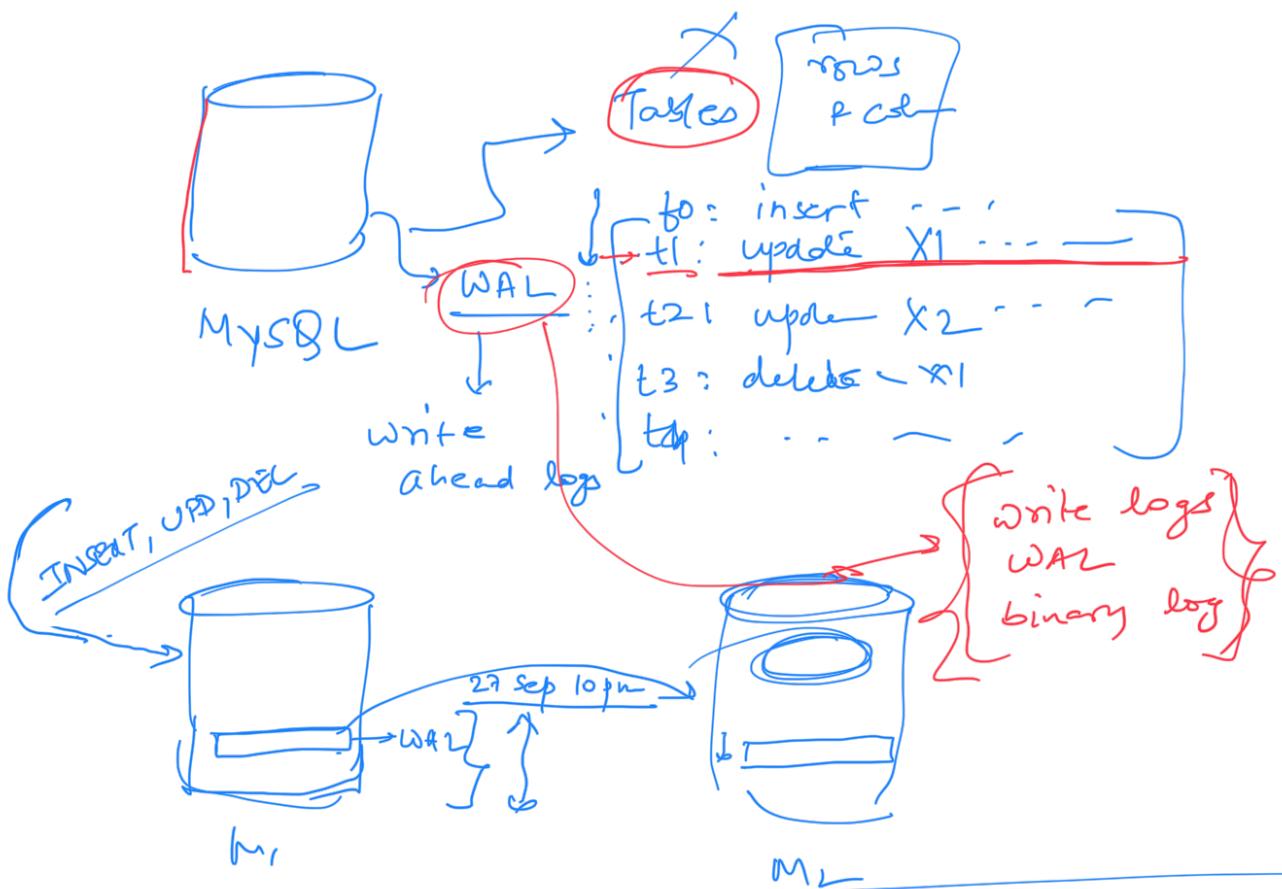
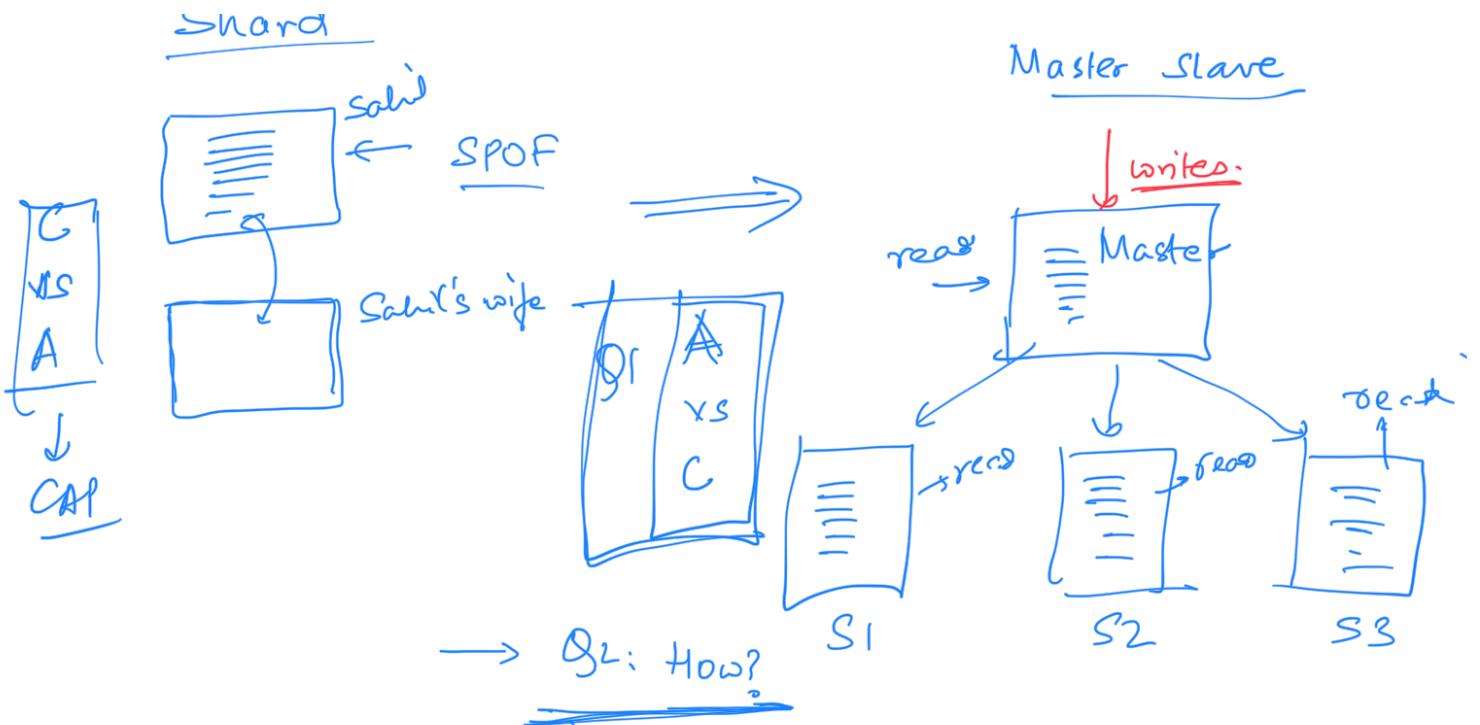


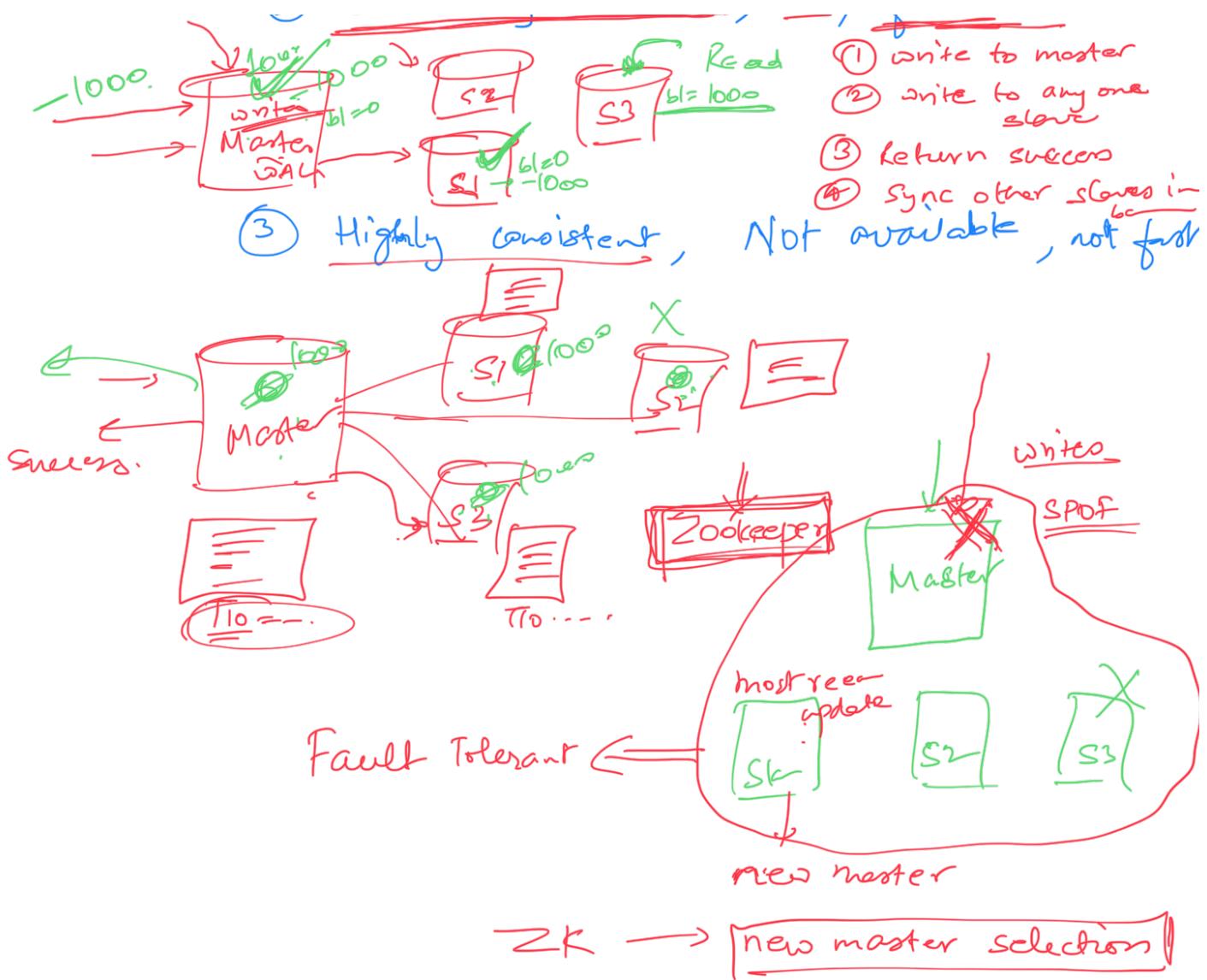
Network Partition

→ Consistency
→ Availability









Relational DB

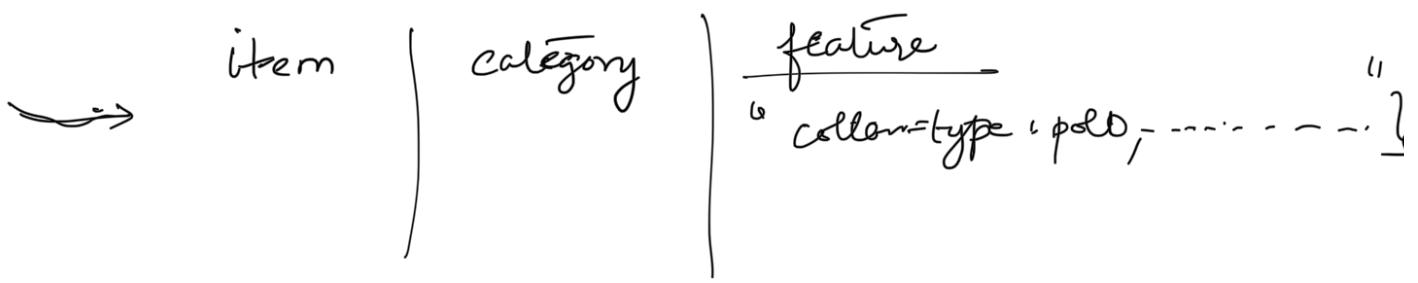
Tables → Tables

Normalisation



Category → diff features.

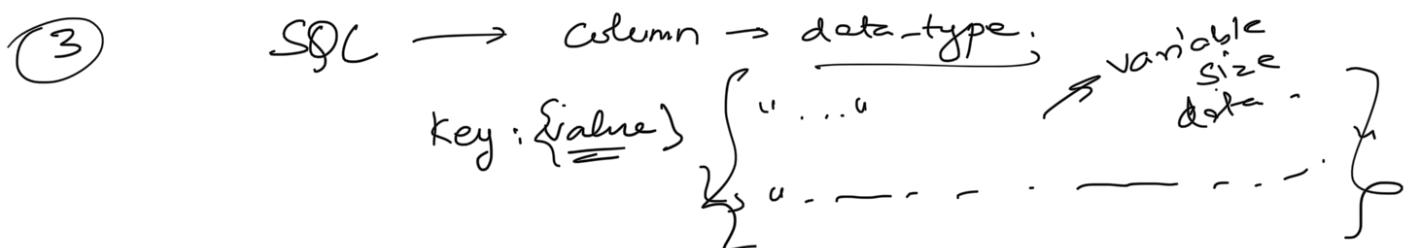
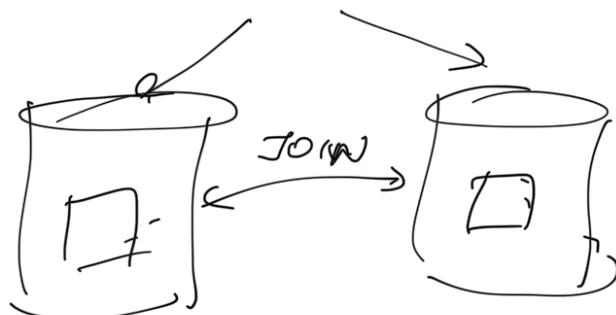
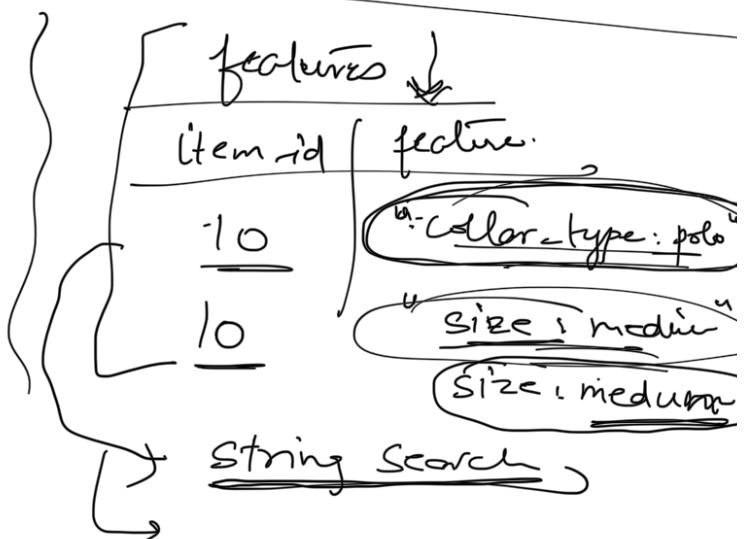
- t-shirt** → color, size, material, full sleeve, half sleeve, collar type, brand, --,
- laptop** → RAM, HDD, CPU, Brand, Model, OS, refresh rate, --, items.

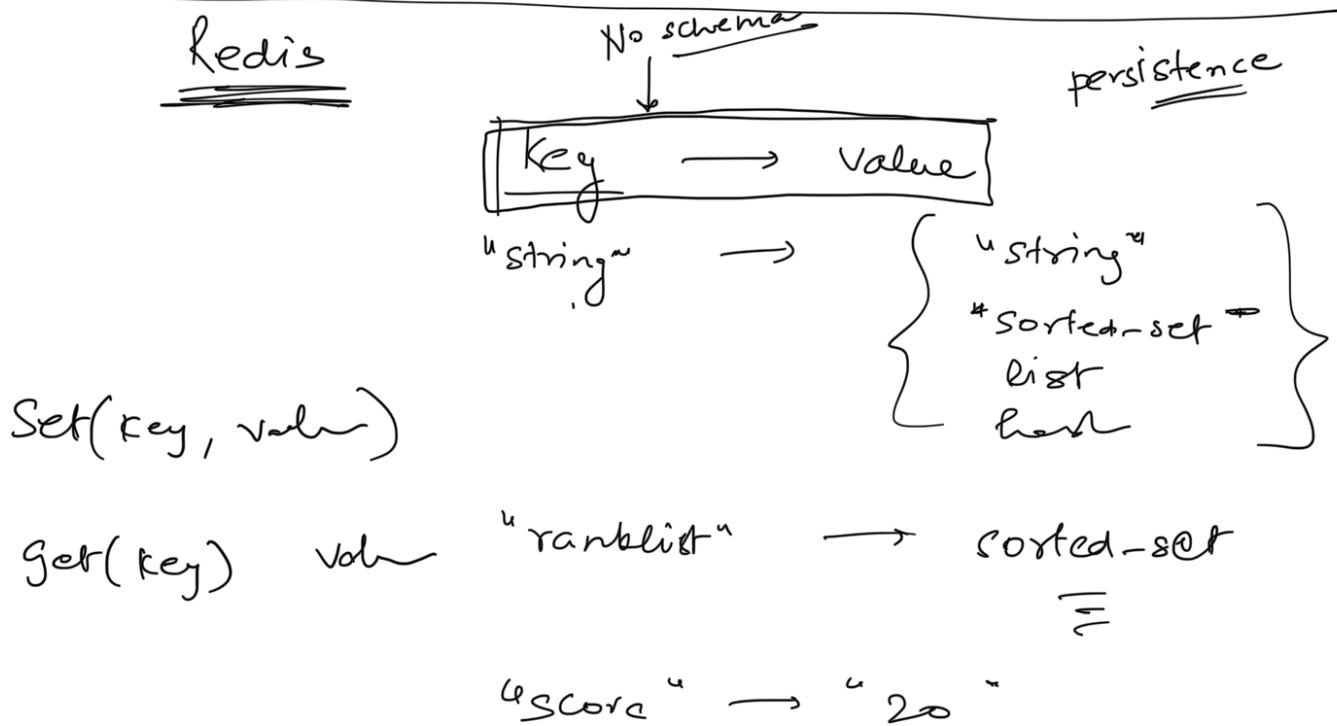
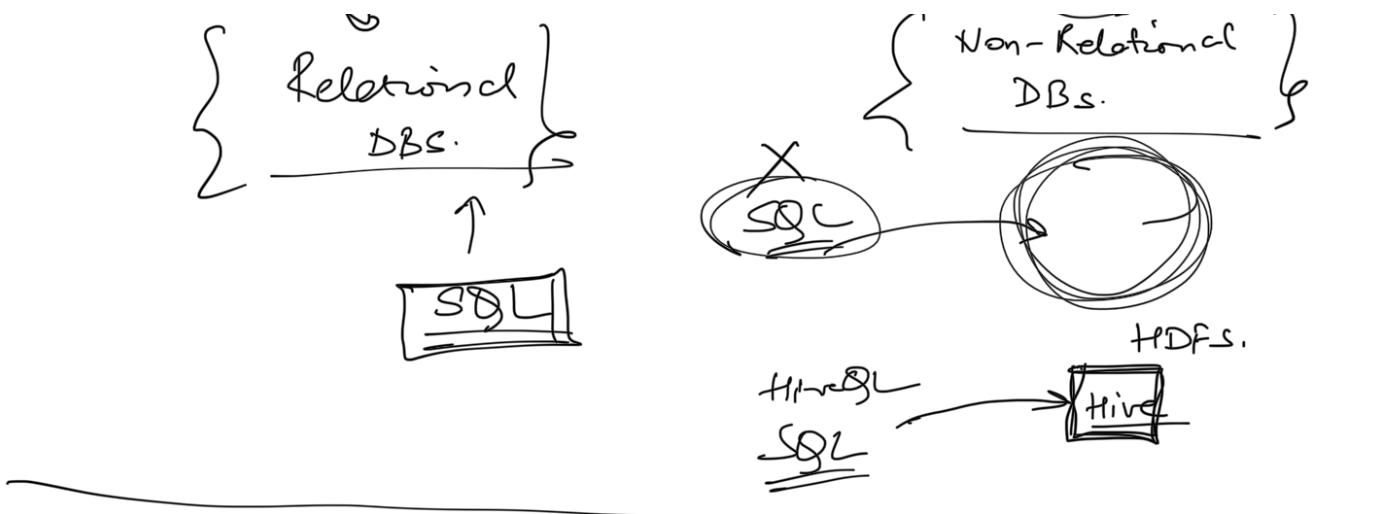


1-NF
 Full text
 search

SELECT * FROM items WHERE
 feature LIKE "%color-type: polo%"

items		
itemid	category-id	desc.
10	10	feature
10	10	"color-type: polo"





① Schema-less

② {any size of the value} → format or size not enforced!

