Data Replication in Distributed System Data replication is the process in which the data is copied at multiple locations (diff comp or servers) to improve the Goals of data replication - Increase the availability of data - speed up the query evaluation. Types of data replication !-O Synchronous Replication 1- The opplica will be modified

Emmediately after some changes are made in the relation table. So, there is no difference between oliginal data and replica.

Asynchronous replication!
The replica will be modified after commits

Is fired on the db.

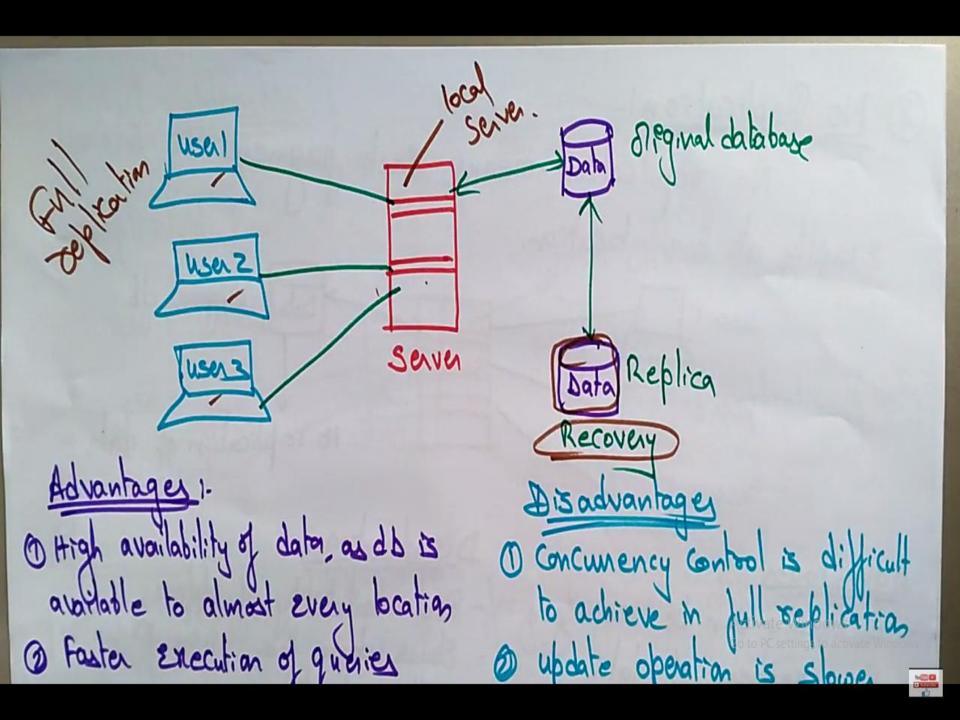
Replication schemes: (3 schemes)

O Full replication. The db is available to almost every

loation of use in Communication no.

o to PC settings to activate Windows

to Constant



3 No Replecation 1-No replication means, Each pagment is stred exactly at one location. Data Original db use 2 No replication of data Disadvantages: - Pool availability of data
- Slows down the guery execution pooling
as multiple clients accessing same server - concumency can be minimized - Easy recovery of data

some & pagments oeplicated from the db. are Data Oliginal de usu 1 use 2 Server Partial replication of data (Recovery location) Wer3 Advantages 1 => No: of replicas created for Jang pagments depend upon the importance of data in that fragment.

THE COLUMN