

Relational DB

* Data is stored in tables

Name	Followers
Rohit	28
Alex	32
Adam	34
Foo	36
John	45
Anshu	50

Has Posts

Name	P
Rohit	3

Blocked

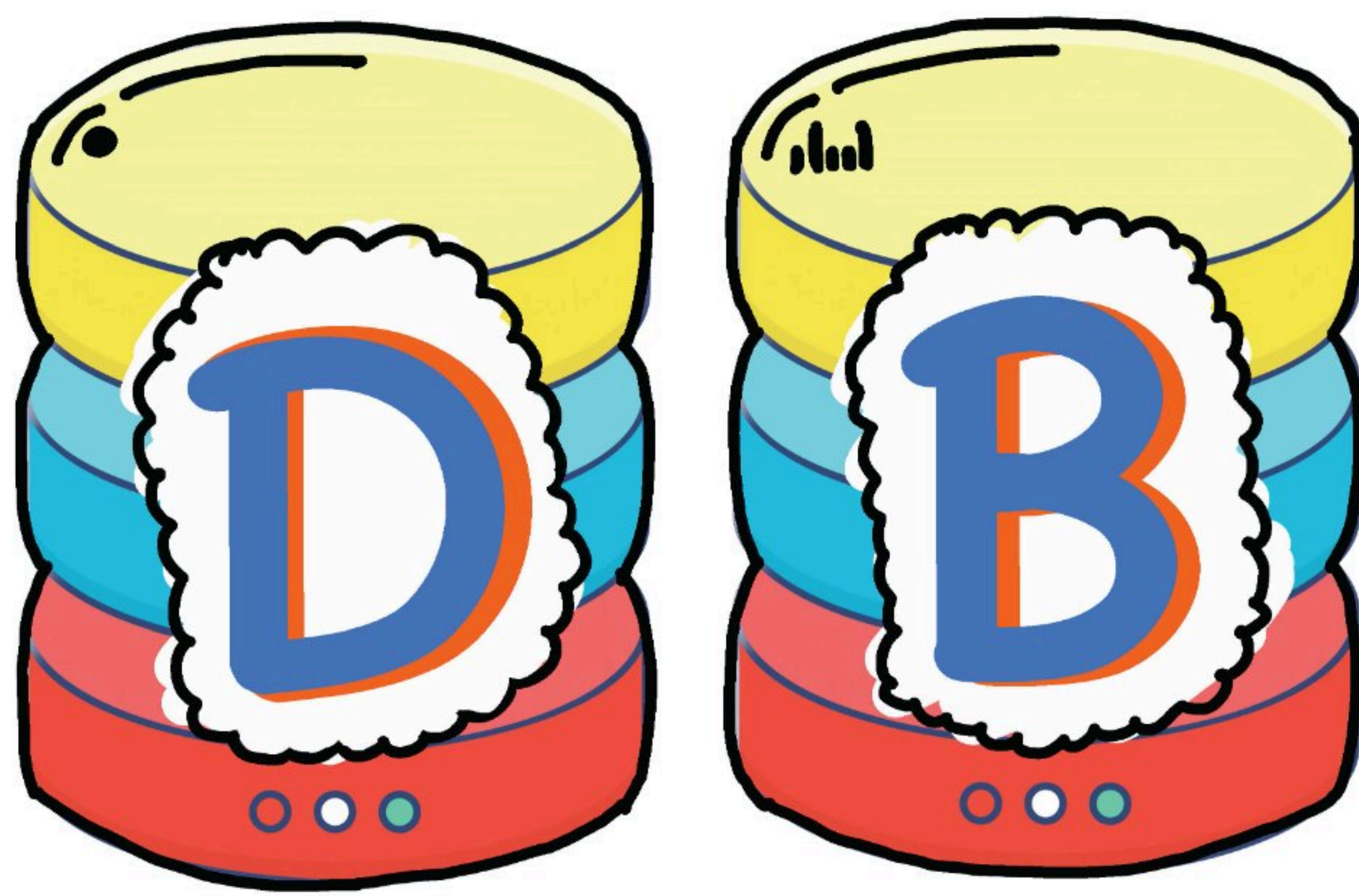
Name	B
John	2
Anshu	1

Follows

Name
Alex
Adam
Foo

* Good for storing transactions

* Two table may have a virtual relation in between

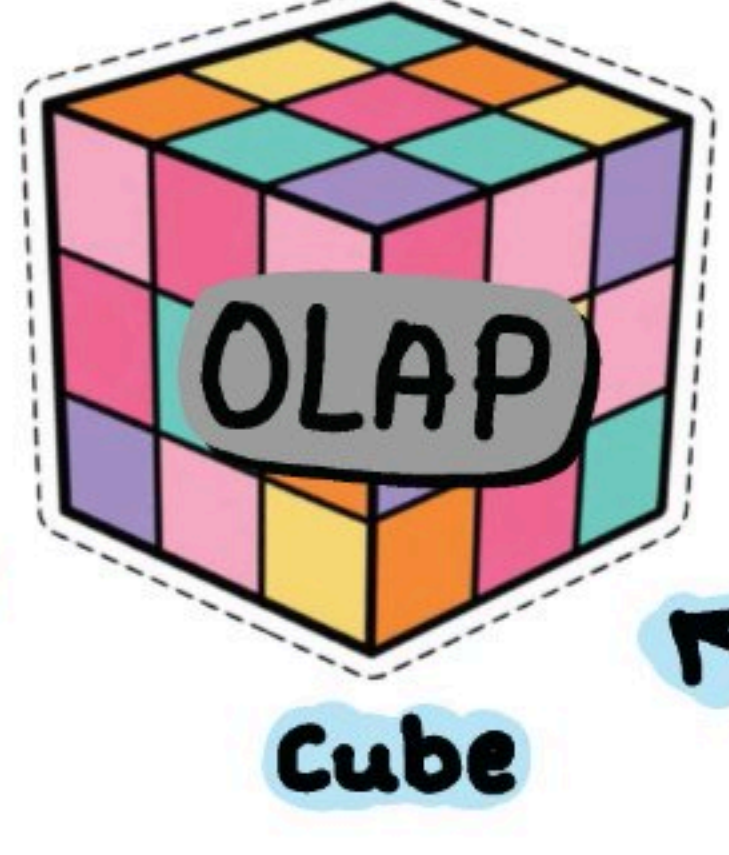
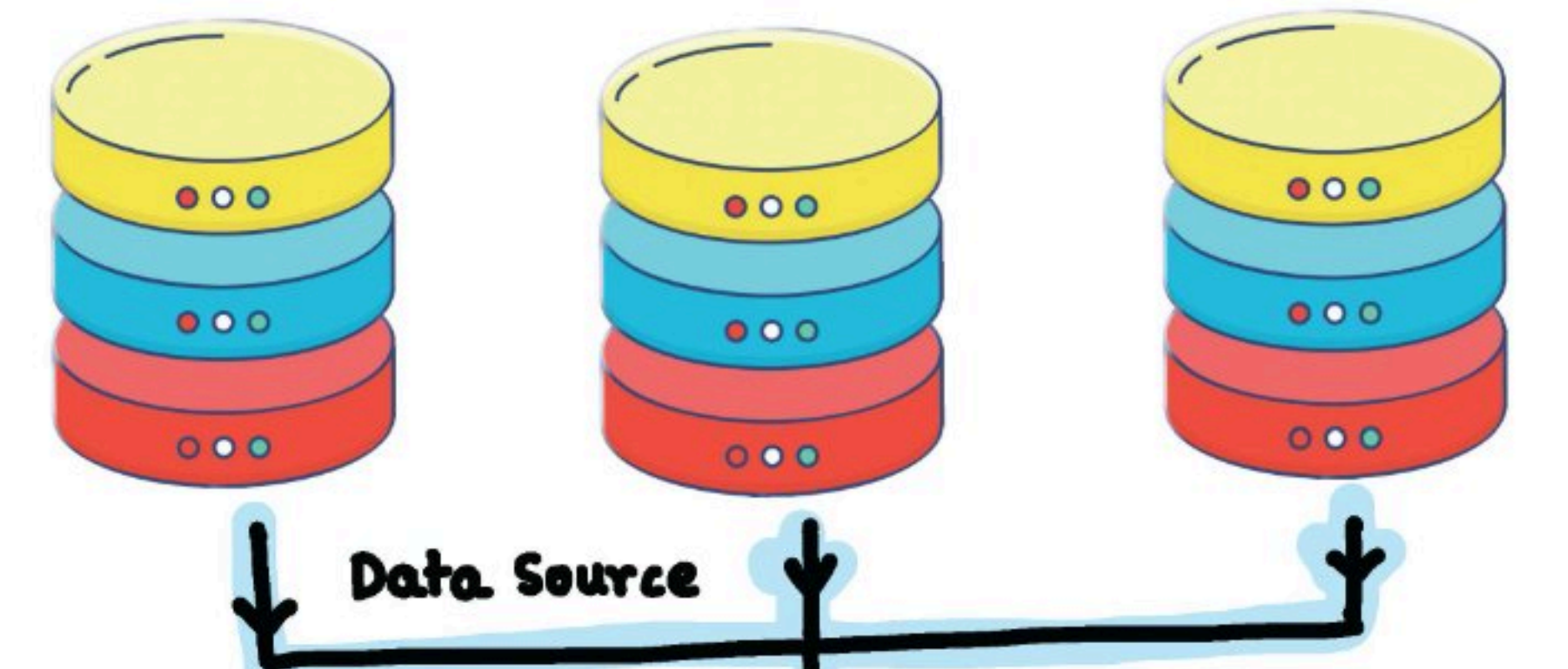


Types



ByteByteGo

OLAP DB



Dimensional view of data sources for analytics

Application Queries

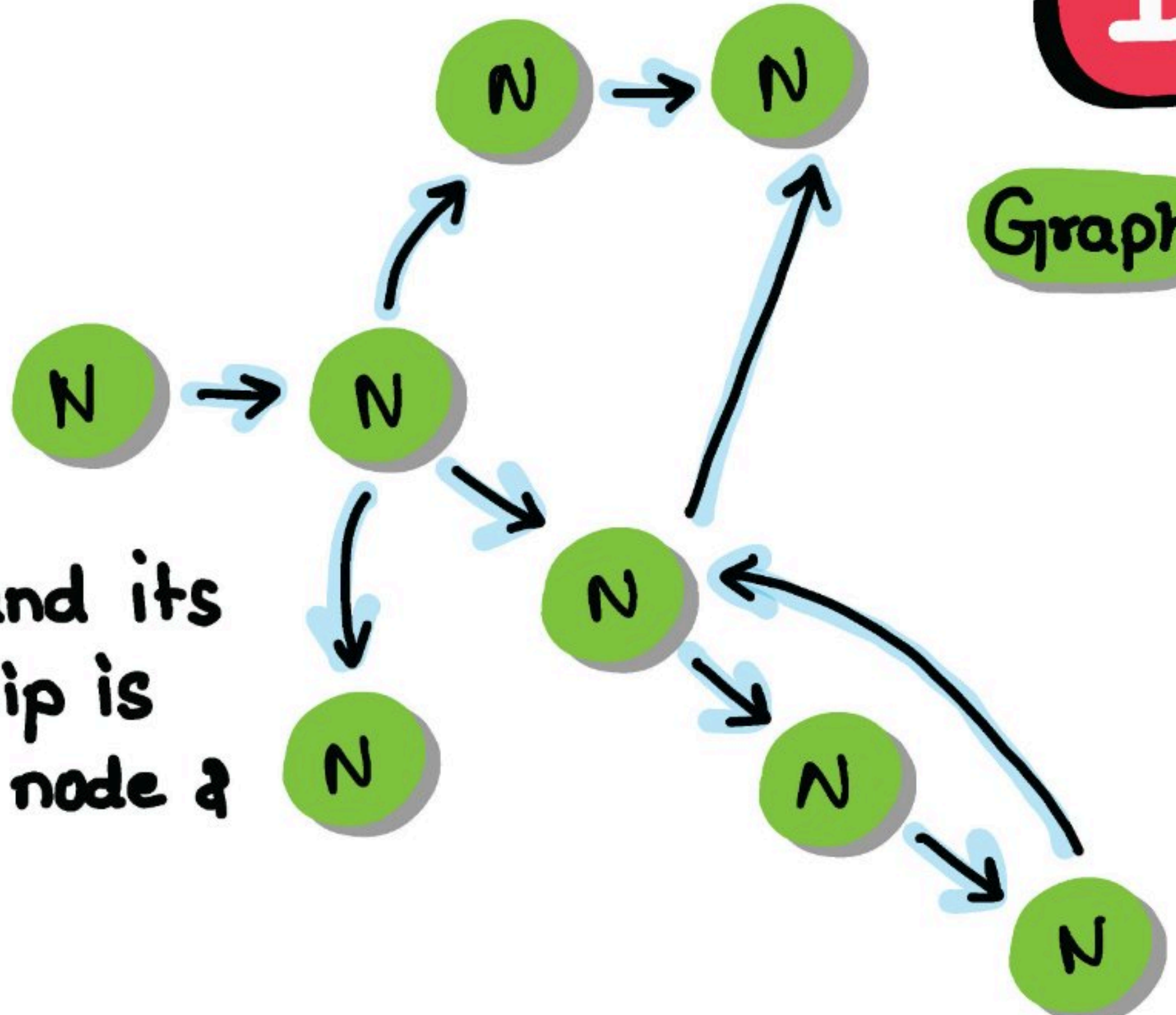


Application Queries



1

Graph DB



* Data and its relationship is stored as node & edges

2

KEY VALUE DB

* Data is stored like a map of key to values

KEY	VALUE	VALUE
K1	AA	AAA
K2	B	
K3	ccc	cccc
K4	D	DDD

* great for fast searches

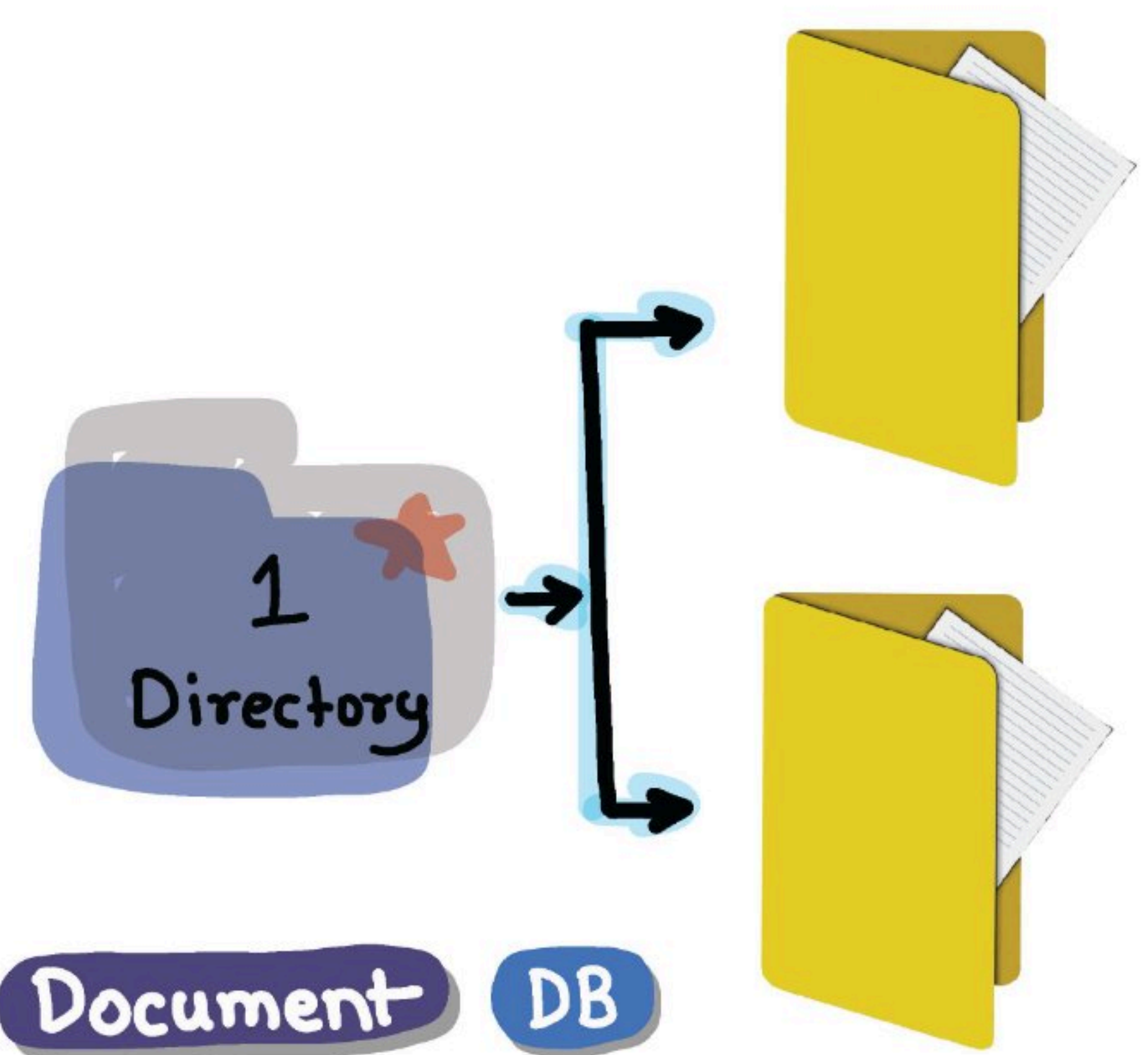
NoSQL DB

DBs that are non traditional & those don't use SQL

Structured Query Language

3

Document DB



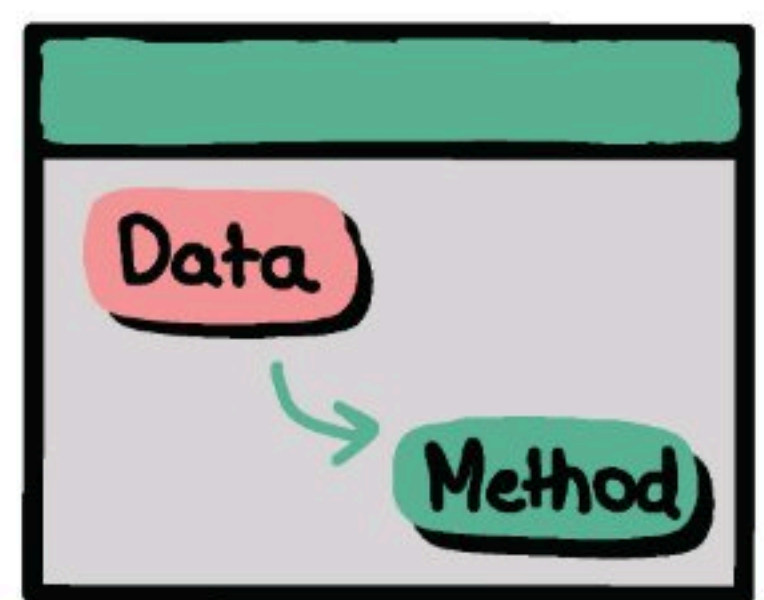
4

Column Oriented DB

* Data is stored in column fashion unlike

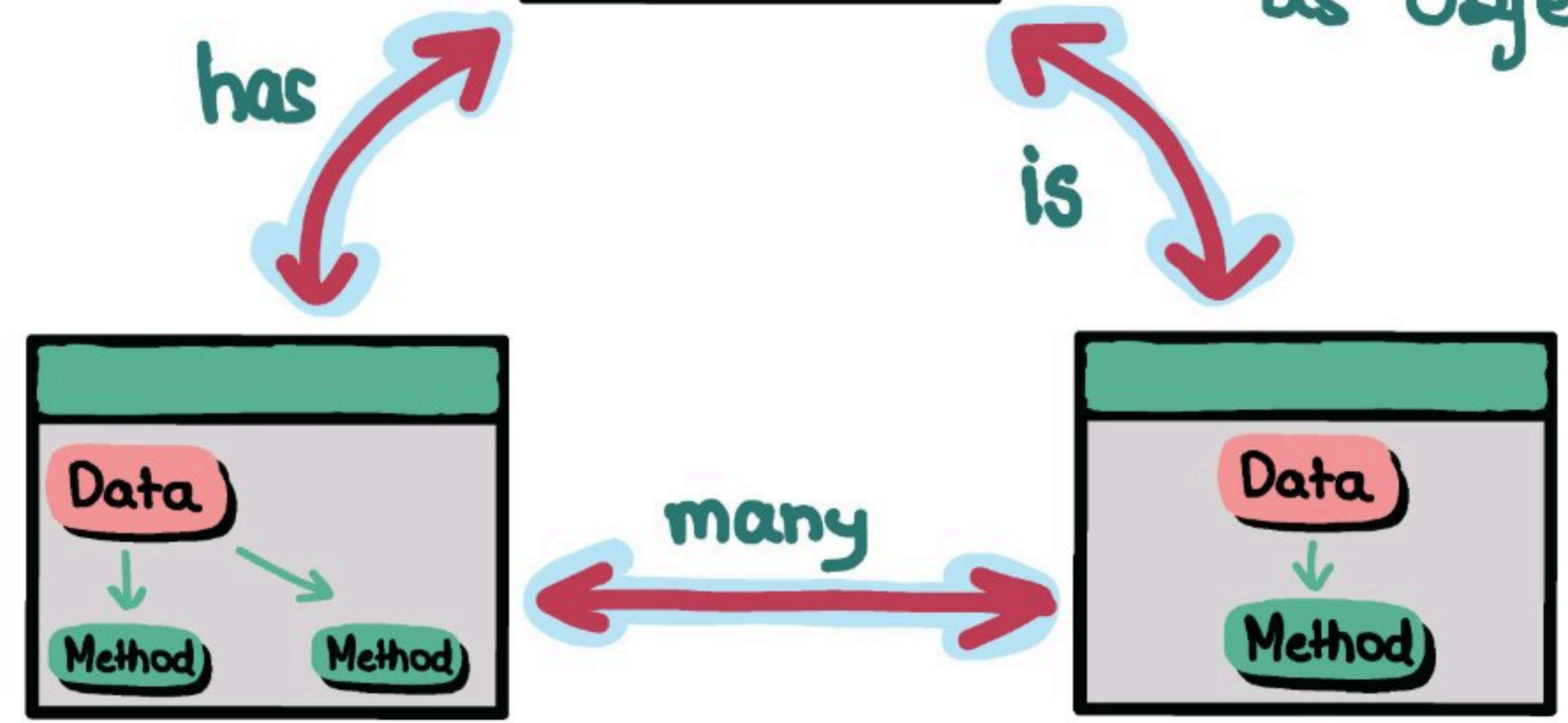
ID	NAME	CITY
4	Rohit	DELHI

Relational DB



* Data models in high level languages are stored as object

* Each object has data & method related to that data



Object Oriented DB

* Objects may have relations between them.

ORM

Object Relational mapping - A Framework to translate objects from high level language to tables in Relational DB

