@Sec_80

DB Types

ByteByteGo

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

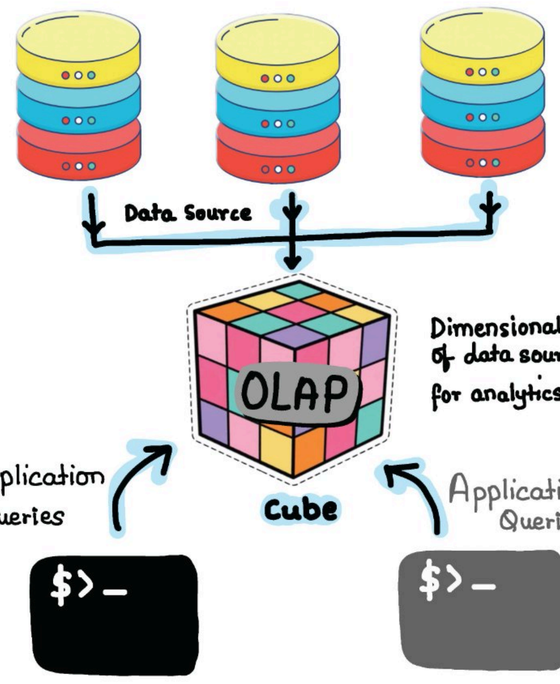
Follows

Name
Alex
Adam
Foo

* Good for Storing transactions

* Two table may have a virtual relation in between

OLAP DB

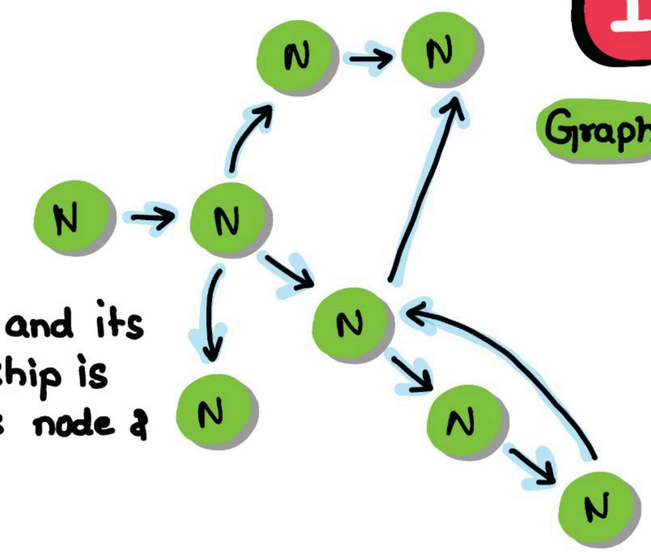


NoSQL DB

DBs that are non traditional & those dont use SQL

Structured Query Language

1 Graph DB



* Data and its relationship is Stored as node & edges

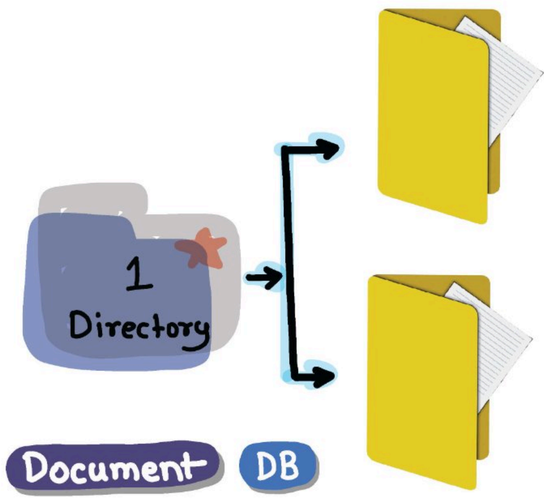
2 KEY VALUE DB

* Data is stored like a map of key to values

KEY	VALUE : VALUE
K1	AA : AAA
K2	B
K3	CCC : CCCC
K4	D : DDD

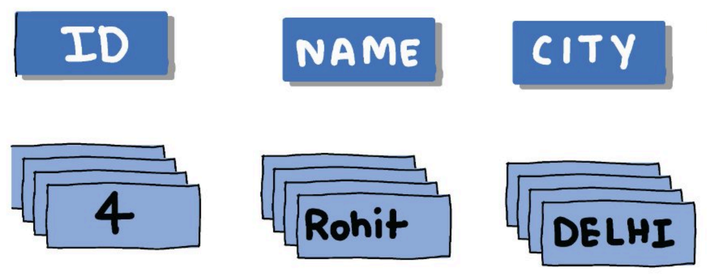
* great for fast searches

3 Document DB

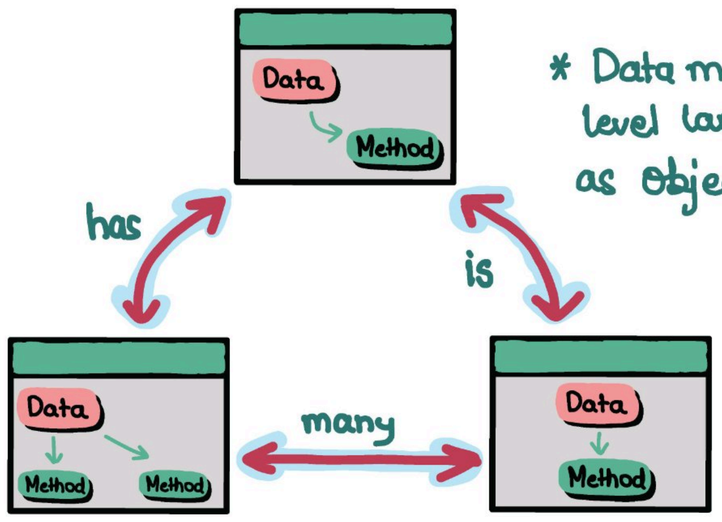


4 Coloumn Oriented DB

* Data is Stored in column fashion unlike Relational DB



Object Oriented DB



* Data models in high level languages are stored as object

* Each object has data & method related to that data

* Objects may have relations between them.

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