

Types of NoSQL Databases

Key Value

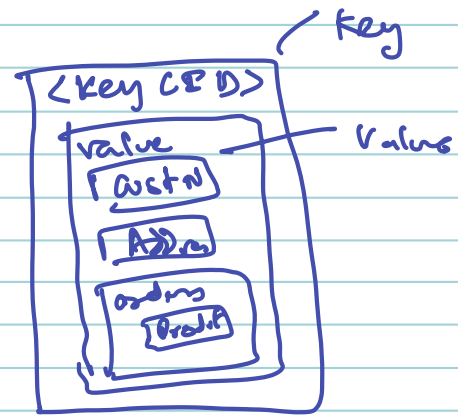
Based on key value principle

Data accessed only using Key (Index)

least Complex

Schemaless (Flexible) (can remain empty)

Example: Redis, Dynamo DB Amazon

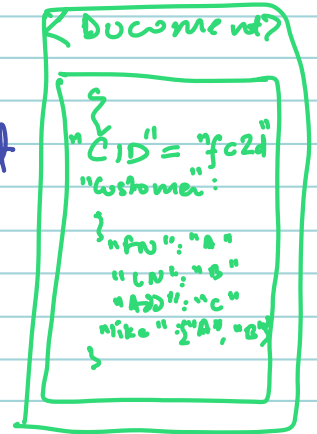


Document Database:

- Extension of key Value
- Value is stored in document format (XML or JSON)
- A complex than kv pair

Key could be number, character

Document with same structure are grouped into collections.



example MongoDB
Couch DB

"Best for storing catalogs"

Column Database: work on column

ID	Name	Age
1	A	22
2	B	33
3	C	44

In Row DB (SQL) = 1, A, 22; 2, B, 33;
3, C, 44

Data warehouse In column DB = 1, 2, 3; A, B, C;
22, 33, 44

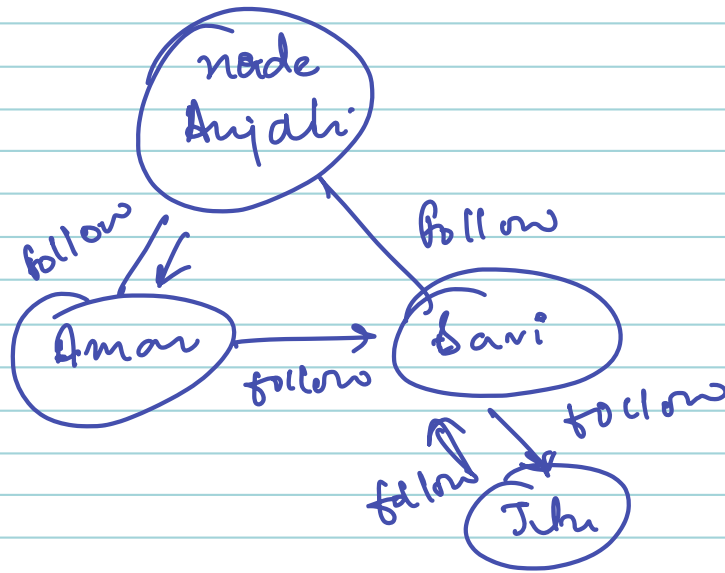
✓ faster lookups

avg min, max
Analytics
Speed

Cassandra : example

Graph Database : for highly connected
data eg: Social Media GraphDB
is used

node
edges



Example:
Infinite
Graph