

## No SQL Database (mongodb)

stores data in form of documents -> json or bson.

schemaless  
Replication -> master and slave arch.  
ACID prop are not there.  
join query are not required.  
Easy to add and modify.

shards  
aggregation are easy  
declarative.

NoSQL -> not only sql

flexible schema, json/bson

Mongodb,  
Redis,DynamoDB,  
cassandra, scylladb

Why mongodb?

1. Flexible document based database.
2. it supports complex queries, aggregation, indexing.
3. scalable (sharding, replication) horizontal scalable.
4. cost effective.

SQL -> structured query language.

tables , rows and  
columns (well  
defined structure)

mysql, postgres,  
oracle, msql (sql  
server)

vertical scalable

