

RDBMS

1 Schema structure
 Task Product → Product Name
 → category

2 Vertical Scaling
 10 GB → 32 GB
 1 M users → 5 M users
 50 GB → 100 GB

3 Less performance
 commands
 Delete from Product
 where

4 RDBMS
 → PostgreSQL
 → MySQL
 → Oracle

5 SQL

MongoDB

No SQL
 → No Schema structure

No Tables (JSON)

Horizontal Scaling
 1 M users → 10 GB
 2 M users → 10 GB
 5 M users → 32 GB

High performance
 method
 db.collection.find({})
 db.collection.delete({})
 db.collection.insert({})

NoSQL
 → MongoDB, Cassandra DB

one language

RDBMS

Database
 → Tables
 → Row/cols

MongoDB

Database
 → collection
 → document
 (JSON) (similar to SQL)

Java Fullstack
 Python Fullstack
 PHP/Node Fullstack

MongoDB servers → (localhost)

MongoDB compass (CPB) Home (connection string)

(In local systems)

MongoDB Atlas (cloud)

Types of NoSQL

1 key-value pair
 eg: DynamoDB

2 Document
 eg: MongoDB

3 Graph Database
 eg: Neo4j

4 Column-wise
 eg: Cassandra DB