

= LOB :- 1st half

{ MongoDB :- } } }
{ Springboot - MongoDB } } }
=

\Rightarrow LOB \rightarrow Binary large object
 \rightarrow CLOB \rightarrow character
BLOB \rightarrow Images, Video, Audio pdf
 \rightarrow text file, csv file etc.



=> MongoDB => SpringBoot MongoDB.

=> SQL | NoSQL

SQL - Terminologies

2- Terminologies
 ↳ Physical DB s/w ⇒ MySQL, Oracle, PostgreSQL - - - - -

↳ \Rightarrow logical Database.

L) Tables
L) rows & columns

NoSQL → Terminologien

DB/w = MongoDB, -----

⇒ logical Data Lane

Ly Collections

Ly documents

Σ employ y

Σ employees

PO, name, age, job, (ij)

$\gamma = \begin{matrix} & & & & \\ & & & & \\ & & & & \\ & & & & \end{matrix}$

{ Table \Leftrightarrow Collection
 Record \rightarrow Documents } \Rightarrow L

Doc :-
 id
 name

Doc
 id
 =

Doc
 =

C:\Users\Abbas>mongosh

Current Mongosh Log ID: 65867201d1395fe99018b2c8

Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

&appName=mongosh+2.1.1Using MongoDB: 7.0.4

Using Mongosh: 2.1.1

For mongosh info see: <https://docs.mongodb.com/mongosh-shell/>

The server generated these startup warnings when booting

2023-12-23T06:32:15.302+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

test> show dbs

admin 40.00 KiB

config 84.00 KiB

local 40.00 KiB

teluskodb 8.00 KiB

trial 112.00 KiB

test> use spring

switched to db spring

spring> show dbs

admin 40.00 KiB

config 72.00 KiB

local 40.00 KiB

teluskodb 8.00 KiB

trial 112.00 KiB

spring> db.createCollection("student")

{ ok: 1 }

spring> show dbs

admin 40.00 KiB

config 72.00 KiB

local 40.00 KiB

spring 8.00 KiB

teluskodb 8.00 KiB

trial 112.00 KiB

```

    name: 'rohan'
  },
  {
    _id: ObjectId('65867338d1395fe99018b2ca'),
    rollno: 1,
    name: 'rohan'
  },
  {
    _id: ObjectId('65867549d1395fe99018b2cb'),
    id: 2,
    name: 'rohit',
    age: 16,
    city: 'pune'
  },
  {
    _id: ObjectId('65867549d1395fe99018b2cc'),
    id: 3,
    name: 'rohit',
    age: 17
  }
]
spring> db.student.updateOne({rollno:1}, {$set:{name:"shreyans"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
spring> db.student.find().pretty()
[
  {
    _id: ObjectId('658672add1395fe99018b2c9'),
    rollno: 1,
    name: 'shreyans'
  },
  {
    _id: ObjectId('65867338d1395fe99018b2ca'),
    rollno: 1,
    name: 'rohan'
  },
  {

```



```

db.student.insertMany([{id:2, name:"rohit", age:16, city:"pune"},{id:3, name:"rohit", age:17}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('65867883d1395fe99018b2cd'),
    '1': ObjectId('65867883d1395fe99018b2ce')
  }
}
spring> db.student.find().pretty()
[
  {
    _id: ObjectId('658672add1395fe99018b2c9'),
    rollno: 1,
    name: 'shreyans'
  },
  {
    _id: ObjectId('65867338d1395fe99018b2ca'),
    rollno: 1,
    name: 'rohan'
  },
  {
    _id: ObjectId('65867883d1395fe99018b2cd'),
    id: 2,
    name: 'rohit',
    age: 16,
    city: 'pune'
  },
  {
    _id: ObjectId('65867883d1395fe99018b2ce'),
    id: 3,
    name: 'rohit',
    age: 17
  }
]
spring> db.student.deleteMany({rollno:1})
{ acknowledged: true, deletedCount: 2 }
spring> db.student.drop()
true
spring> show collections

```

=> MongoDB :- { ✓ }
SpringBoot MongoDB ✓
 ↓↓
Lombok



