Mongo DB

Mongo DB Atlas -> Service provides

MongoDB

Document-oriented

open-source

Nosqe database Management 8x8km

Document Data buse

Jaon

Heribility, 8calability performs. Semi- Stroctured Data

10 gen company executed mongo DB

Now Mongo DB

Etiot Horowitz/in 2007 Doight Merriman

first vousion =) 2009

HUMONGOUS = vory lay.

MONGO DO DU SORDO

SQL = Structure Quiry

Mongoos (No SQL)

Relational Database Tables

Structured Tables fixed rows & colum.

suitable for application, with well-defined scheme fixed data struct

e-wmmace

He Manage min +

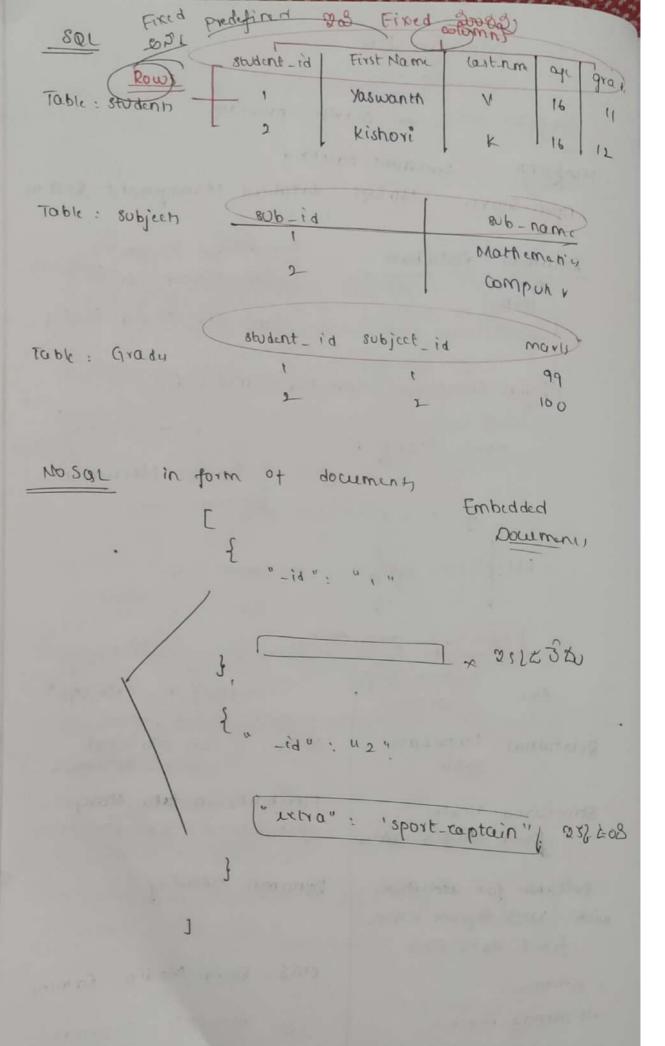
Ex Mysel, Postgrese L, Orack

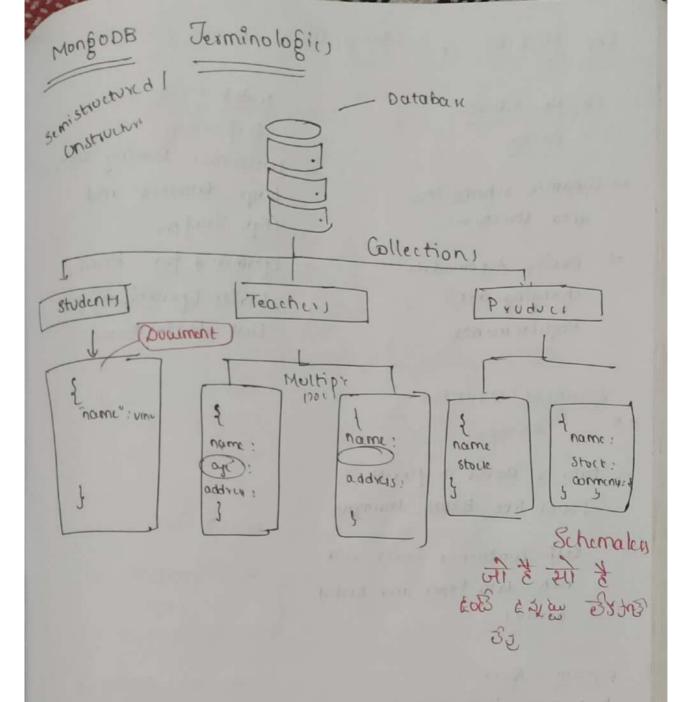
Mosqu - non relational data bany

Flexibility in data Story unstructured I Sami Structured

Dynamic Evolving

cms, social Media, gaming Ex MongaDB, Cassandra Reddo





Flexible Schema Design

- =1 Dynamic Schema-less data structures
- =) Easily Accommodate changing data

 Requirements

Document Oriented * Storage

- =) Data is stored in flexible,
- . JSON like BSON document
- =) Self contained units with rich data type, and nested arrays

Dynamic Querics

- >> Rich Query larguage with 80/0/00xt for complex queriy
- => Utilize Indexes to speed up query execution

* Aggregation Framework:*

- =) Perform advanced data transformations and analysis
- Process data using multiple pipeline stage

Scalability &

- -) Horitontal Scaling supports
 large datasets and
 thigh Traffic
- =) Optimised for Read &
 Write Operations for
 Fast Performany

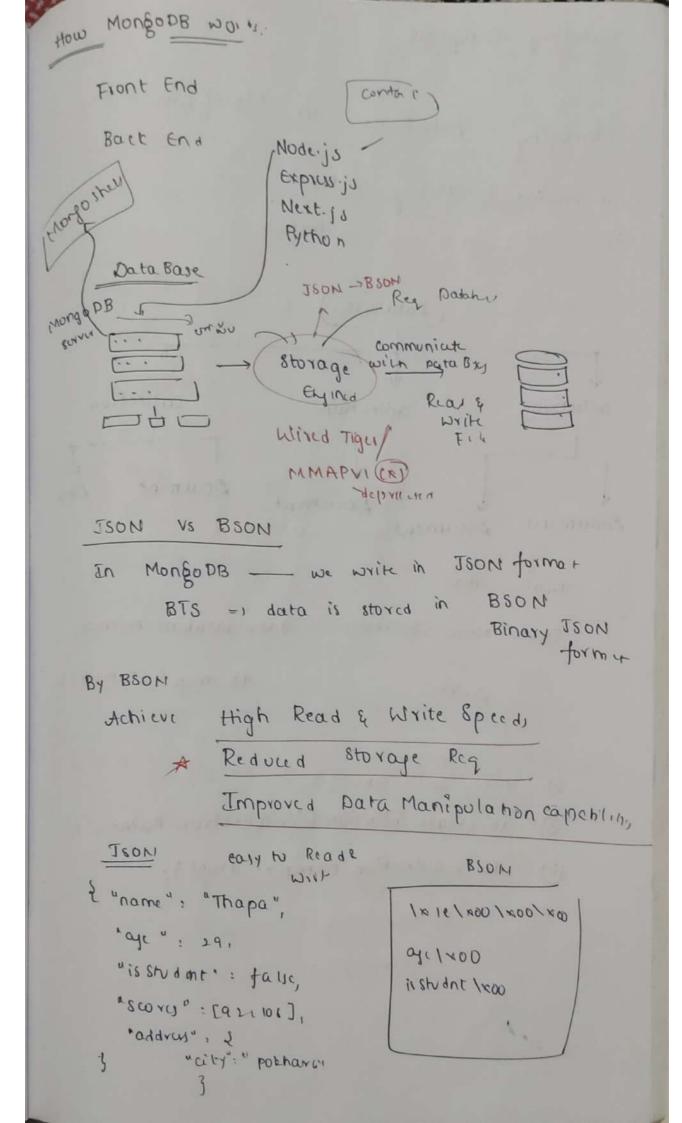
Open800 vie and Community

Mongo DB is open-800vice

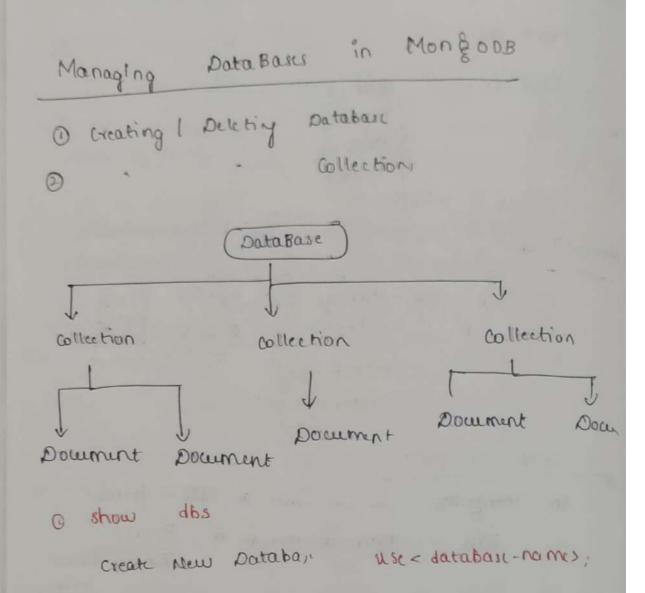
with a vibrant community

Regular updatu, improven

and support



installing mongo DI3



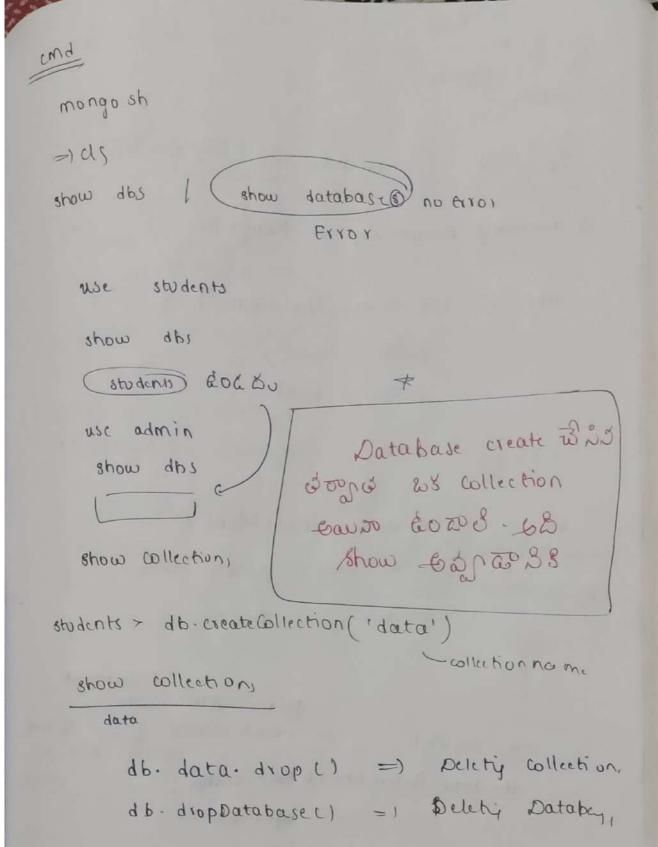
1 show collections

Delite

1) db. execte Collection (' collection-names');

db. drop Databasec).

(3) db. < collection-name > drop(),



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CRUP - Delete
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    Create
   Insert Operation in Mongo DB
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                fields = value 1
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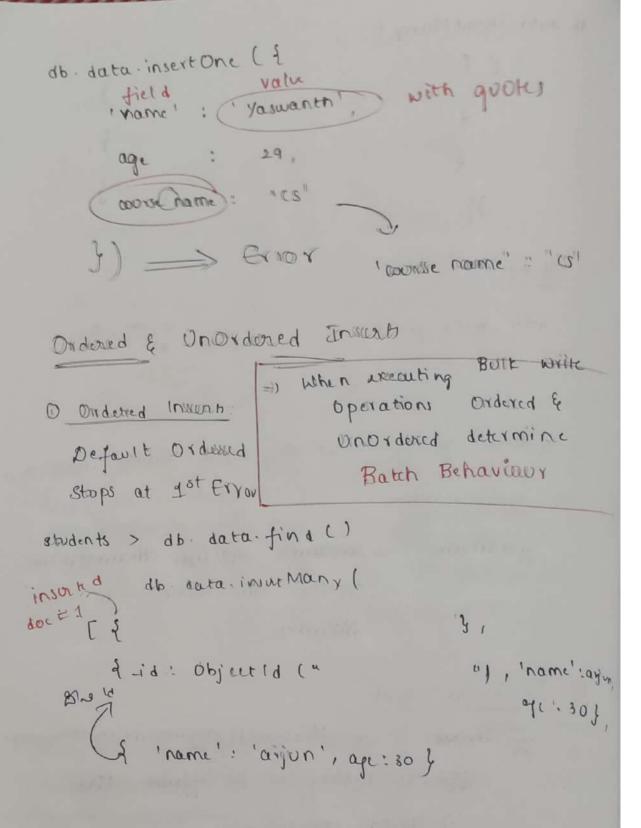
db. data.find() Doc देसने के

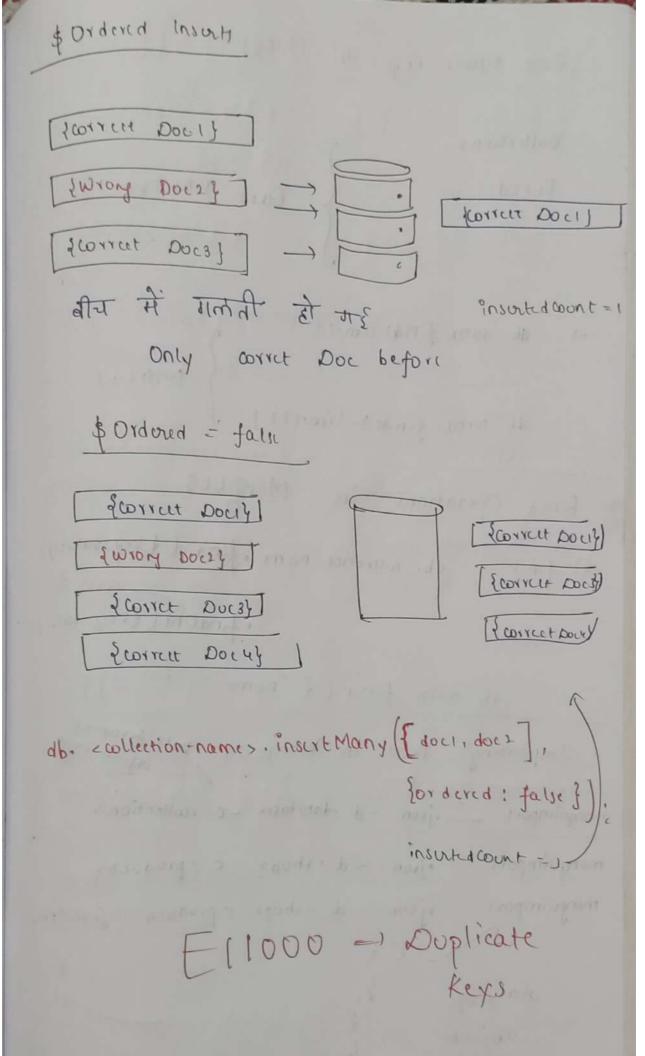
BILT

When to Use Quotes and when not to ?

O Special char fieldname - ontains special character or spaces or stants with Nom ber

@ Reserved Words fieldname is a Reserved keyword in Mayous Quotes distinguish it from the reserved keyword





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db. collection Nam. find ({ "field": { paperator: value} db-products-find (& price = 2 1eq = 6993]) : }4 in : [249 1109,89]] ab-products find ({ price : { \$ 29 : (99)}) - Count · price! : { \$ in : [699 | 129 | 697] Ext Dira 80 Diepay eston. to Cursons 1:27:10 Introduction 1 Automatic Batching Default batch site cursor Method 101 documents count () limit() Skip() SOYE() ab . products find ({ price'; { \$qt: 250 }}). limit(5). Ship(1 · limit (3) . sort (& price 1 Ascending c - I Descending

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