**MongoDB**

NodeJs program file in windows:: C:\Program Files\nodejs\

Folder name MEAR

MongoDB password :: Nehal-Soni\_789

AutoGeneratePassword :: n3Chfe24sPFpmnoH

MongoDb connection :: mongodb+srv://Nehal-Soni\_789:n3Chfe24sPFpmnoH@[cluster0.rmemf.mongodb.net/](http://cluster0.rmemf.mongodb.net/test)<db-name>

MongoDB application connect ::

mongodb+srv://Nehal-Soni\_789:n3Chfe24sPFpmnoH@[cluster0.rmemf.mongodb.net/product\_management?retryWrites=true&w=majority](http://cluster0.rmemf.mongodb.net/product_management?retryWrites=true&w=majority)

In code:

const lib = require("../library");

const mongoose = lib.mongoose;

mongoose.connect("mongodb+srv://Nehal-Soni\_789:<password>@cluster0.rmemf.mongodb.net/test", {

useNewUrlParser: true,

useUnifiedTopology: true,

})

.then((req) => console.log('MongoDB connection established.'))

.catch((error) => console.error("MongoDB connection failed:", error.message))

* JWT Documentation :: <https://www.bezkoder.com/node-js-jwt-authentication-mysql/>
* MongoDb shell work by this site :: <https://linuxize.com/post/how-to-install-mongodb-on-ubuntu-18-04/>
* MongoDB Cheat Sheet :: <https://gist.github.com/bradtraversy/f407d642bdc3b31681bc7e56d95485b6>
* MongoDB Aggregation :: [MongoDB Aggregation Tutorial - $match](https://www.youtube.com/watch?v=DH0ycfjCJSg&list=PLWkguCWKqN9OwcbdYm4nUIXnA2IoXX0LI&index=8)

**Ubantu Terminal start mongod by mongo shell** : sudo systemctl start mongod

::mongo

## **1. Database Commands**

### **View all databases**

show dbs

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### **Create a new or switch databases**

use dbName

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### **View current Database**

db

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### **Delete Database**

db.dropDatabase()

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## **2. Collection Commands**

### **Show Collections**

show collections

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### **Create a collection named 'comments'**

db.createCollection('comments')

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### **Drop a collection named 'comments'**

db.comments.drop()

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## **3. Row(Document) Commands**

### **Show all Rows in a Collection**

db.comments.find()

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### **Show all Rows in a Collection (Prettified)**

db.comments.find().pretty()

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### **Find the first row matching the object**

db.comments.findOne({name: 'Harry'})

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### **Insert One Row**

db.comments.insert({

'name': 'Harry',

'lang': 'JavaScript',

'member\_since': 5

})

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### **Insert many Rows**

db.comments.insertMany([{

'name': 'Harry',

'lang': 'JavaScript',

'member\_since': 5

},

{'name': 'Rohan',

'lang': 'Python',

'member\_since': 3

},

{'name': 'Lovish',

'lang': 'Java',

'member\_since': 4

}])

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### 

### **Search in a MongoDb Database**

db.comments.find({lang:'Python'})

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### **Limit the number of rows in output**

db.comments.find().limit(2)

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### **Count the number of rows in the output**

db.comments.find().count()

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### **Update a row**

db.comments.update({name: 'Shubham'},

{'name': 'Harry',

'lang': 'JavaScript',

'member\_since': 51

}, {upsert: true})

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### **Mongodb Increment Operator**

db.comments.update({name: 'Rohan'},

{$inc:{

member\_since: 2

}})

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### **Mongodb Rename Operator**

db.comments.update({name: 'Rohan'},

{$rename:{

member\_since: 'member'

}})

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### **Delete Row**

db.comments.remove({name: 'Harry'})

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### **Less than/Greater than/ Less than or Eq/Greater than or Eq**

db.comments.find({member\_since: {$lt: 90}})

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db.comments.find({member\_since: {$lte: 90}})

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db.comments.find({member\_since: {$gt: 90}})

Copy

db.comments.find({member\_since: {$gte: 90}})

list of purchase product(column )

db.purchase\_order.distinct(“product”)