To check the version of Mongodb ,type the below cmd

E:\users\lenovo\mongod --version

db version 7.0.9

To Create database

First start with mongo shell,type the below code

E:\users\lenovo\mongosh

**Outpot as below**

test> show dbs

**output**

admin

config

local

**create database type**

**test>**use joedb

**o/p**

**joedb>**

Note :

1. in mongo database , a **collection** is similar to a table as in mysql.so ,once database is created , create a collection.

2. Also, **show dbs** will show joedb only when its **collection** is created.

**joedb>** show dbs

**o/p**

admin

joedb

config

local

create a collection

step 1:

**a )insert()**

**joedb>** db.**emp**.**insert**({

… emp\_name:”Joe” ,

… emp\_age:25})

in the above eg , emp is a collection(table)

**b) insertOne()**

**joedb>** db.**emp**.**insertOne**({

… emp\_name:”Joe” ,

… emp\_age:25})

c) insertMany() - use square brackets for many documents

**joedb>** db.**emp**.**insertMany**(

[{

… emp\_name:”Joe” ,

… emp\_age:25},

{

… emp\_name:”Anu” ,

… emp\_age:26},

{

… emp\_name:”Ravi” ,

… emp\_age:24}

] )

step 2:

**joedb>** db.createCollection(“**emp2**”) ;{“ename”;”Brit” , “eage”;26}

in the above eg , emp2 is a collection(table)

**joedb>** show collections

**o/p**

emp

emp2

**Drop Collection –Drop()**

**joedb> db.emp.drop()**

o/p - true

**Drop database –dropDatabase()**

Joedb>db.dropdatabase()

T0 find or display Documents from Collection –find()

Joedb>db.emp2.find()

T0 find or display Documents from Collection in formatted form –pretty()

Joedb>db.emp2.find().pretty()

QUERY Commands

1. Equal

eg; Joedb>db.emp3.find({emp\_age:{$eg}}).pretty()

1. Not Equal

eg; Joedb>db.emp3.find({emp\_age:{$ne}}).pretty()

3.Less Than

eg; Joedb>db.emp3.find({emp\_age:{$lt}}).pretty()

4.Greater than

eg; Joedb>db.emp3.find({emp\_age:{$gt}}).pretty()

5.Less Than or equal to

eg; Joedb>db.emp3.find({emp\_age:{$lte}}).pretty()

6.Greater than or equal to

eg; Joedb>db.emp3.find({emp\_age:{$gte}}).pretty()

**Boolean**

**AND**

eg; Joedb>db.emp3.find({**$and**: [{emp\_age:33},{emp\_name:”Joe”) ]}).pretty()

**OR**

eg; Joedb>db.emp3.find({**$or**: [{emp\_age:33},{emp\_name:”Raj”) ]}).pretty()

**NOT**

eg; Joedb>db.emp3.find({$not: [{emp\_age:33} ]}).pretty()

**Update**

UpdateOne()

eg; Joedb>db.emp3.updateOne({emp\_age:{$eg:30}} ,

{set:{emp\_age:35} } )

updateMany()

eg; Joedb>db.emp3.updateMany({emp\_age:{$ge:30}} ,

{set:{emp\_age:35} } )