**Mongo db:**

mongod - to start the db service

mongo - to get the db commandline

show dbs -view all databases

use db\_name -select database, also create database

db -show selected database

db.drop -drop database

show collections - show tables in selected database

db.collection\_name.drop()

**Insertion**

db.collection\_name.insert( [{“name”:”rajesh”,”password”:”rajesh95”},{“name”:”vivek”,”password”:”vivek95”}] )

**Selection**

db.collection\_name.find()

db.collection\_name.find().pretty() -print json values with indentation

db.collection\_name.find().pretty().limit(2) -select first two values

db.collection\_name.find().pretty().skip(2) - leave first two values

db.collection\_name.find({ $or: [ { “age”:20, “age”:22}] })

db.age\_table.find({"age":{$gt:20}}) - greater than

db.age\_table.find({"age":{$lt:20}}) - lower than

db.age\_table.find({"age":{$gte:20}}) - greater or equal to

db.age\_table.find({"age":{$lte:20}}) - lower or equal to

db.age\_table.find({"age":{$ne:20}}) - not equal to

db.age\_table.find({"name":"rajesh"},{"name":1,\_id:0}) condition and show hide 0,1

**Updation**

db.collection\_name.update({ existed json },{ new json })

db.collection\_name.save({ existed json },{ new json })

**Deletion**

db.collection\_name.remove({json object})

**Aggregate Functions**

db.collection\_name.aggregate({ $group: { \_id: “ $age”}, a\_user\_def\_name : ($sum: 1) })

db.collection\_name.aggregate({ $group: { \_id: “ $gender”}, a\_user\_def\_name : ($avg: $age) })

**Index**

db.collection\_name.ensureIndex({“age”:21}) - adding to index

db.collection\_name.getIndexes()

db.collection\_name.find({ json obj}). explain(“executeionStats”) - give the flow of search

**DataTypes:**

String

Integer

Boolean

Min/Max keys

Array

Timestamp

Object

Null

Symbol

Date