**Mongo DB:**

**(**mongo DB run on port 27017**)**

**What is mongo DB shell?**

MongoDB Mongo shell is an interactive JavaScript interface that allows you to interact with MongoDB instances through the command line. The shell can be used for:

* Data manipulation
* Administrative operations such as maintenance of database instances

**How to use mongo DB font shell:**

Run **mongo** in cmd.

**For check All databases:**

Run command after **mongo** is **show dbs.**

**Create new database using CMD:**

Run command **use db\_name.** This command is also use for shift between databases.

**Insert data in mongo DB collection.**

Run command

db.collection\_name.insert({“firstname”:”test”})

**Show collections:**

Use command **show collections:**

**Show collection data:**

Use command **db.collection\_name.find().**

**Find Document:**

**Find() method:**

Find method this find method give us **20 records** at a time and for next 20 records we enter and run **it** after

**db.collection\_name.find();** this command.

**Find() with filter or search:**

We use this method for find or search record.

Command for single search condition.

**Db.collection\_name.find({ field\_name: ”value” })**

Command for multiple search condition.

**Db.collectionname.find(**

**{ field\_name1 : “searchValue1”, field\_name2 : “searchValue2”})**

**Get specific fields in results using find method:**

With condition

**Db.collection\_name.find(**

**{ fields\_name : “value” },**

**{ title : 1 , author : 1 }** //this mean we can only get title and author as result**)**

With Out condition

**Db.collection\_name.find(**

**{ } , { title : 1 , author : 1 }** //this mean we can only get title and author as result **)**

**FindOne():**

Get one document using id.

**Db.collection\_name.findOne( { \_id:ObjectId(“12345678”) } )**

**Sorting And Limiting.**

**Count():**

Use for count the documents:

**Db.collection\_name.find().count()**

**Count() with Filter:**

**Db.collection\_name.find({ filed\_name : “value” }).count();**

**Limit():**

**Db.collection\_name.find().limit();**

**Sort():**

Use for sort the documents.

**Db.collection\_name.find().sort( { field\_name : 1 } );**

Here field\_name mean according to witch fields do you want to sort the result.

And **1** is ascending order and **-1** mean descending order.