[te@dbsl3 bin]$ ./mongo 192.168.4.91/te3152db -u te3152 -p

MongoDB shell version: 2.6.3

Enter password:

connecting to: 192.168.4.91/te3152db

> use te3152db

switched to db te3152db

> db

te3152db

> db.student.insert({"Roll No":4,"Name":"Niranjan"})

WriteResult({ "nInserted" : 1 })

> db.student.insert({"Roll No":5,"Name":"Abhishek Munna"})

WriteResult({ "nInserted" : 1 })

> db.student.insert({"Roll No":5,"Name":"Dhananjay"})

WriteResult({ "nInserted" : 1 })

> db.student.find().pretty()

{

"\_id" : ObjectId("57ade2d43810b8c3eb5e206e"),

"Roll No" : 3,

"Name" : "Sunny Bhai"

}

{

"\_id" : ObjectId("57ade402a05e9720e316aa83"),

"Roll No" : 4,

"Name" : "Niranjan"

}

{

"\_id" : ObjectId("57ade413a05e9720e316aa84"),

"Roll No" : 5,

"Name" : "Abhishek"

}

{

"\_id" : ObjectId("57ade422a05e9720e316aa85"),

"Roll No" : 5,

"Name" : "Dhananjay"

}

> db.student.find()

{ "\_id" : ObjectId("57ade2d43810b8c3eb5e206e"), "Roll No" : 3, "Name" : "Sunny Bhai" }

{ "\_id" : ObjectId("57ade402a05e9720e316aa83"), "Roll No" : 4, "Name" : "Niranjan" }

{ "\_id" : ObjectId("57ade413a05e9720e316aa84"), "Roll No" : 5, "Name" : "Abhishek" }

{ "\_id" : ObjectId("57ade422a05e9720e316aa85"), "Roll No" : 5, "Name" : "Dhananjay" }

> db.student.remove({"Roll No":3})

WriteResult({ "nRemoved" : 1 })

> db.student.find().pretty()

{

"\_id" : ObjectId("57ade402a05e9720e316aa83"),

"Roll No" : 4,

"Name" : "Niranjan"

}

{

"\_id" : ObjectId("57ade413a05e9720e316aa84"),

"Roll No" : 5,

"Name" : "Abhishek"

}

{

"\_id" : ObjectId("57ade422a05e9720e316aa85"),

"Roll No" : 5,

"Name" : "Dhananjay"

}

> db.student.update({"Name":"Dhananjay"},{$set:{"Roll No":6}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.student.find().pretty()

{

"\_id" : ObjectId("57ade402a05e9720e316aa83"),

"Roll No" : 4,

"Name" : "Niranjan"

}

{

"\_id" : ObjectId("57ade413a05e9720e316aa84"),

"Roll No" : 5,

"Name" : "Abhishek"

}

{

"\_id" : ObjectId("57ade422a05e9720e316aa85"),

"Roll No" : 6,

"Name" : "Dhananjay"

}

> > db.student.insert({"Roll No":10,"Name":"aditya","marks":19})

WriteResult({ "nInserted" : 1 })

> db.student.insert({"Roll No":10,"Name":"aditya","marks":29})

WriteResult({ "nInserted" : 1 })

> db.student.insert({"Roll No":9,"Name":"Niru","marks":97})

WriteResult({ "nInserted" : 1 })

> db.student.find().pretty()

{

"\_id" : ObjectId("57ade760a05e9720e316aa86"),

"Roll No" : 7,

"Name" : "Dhanya",

"marks" : 25

}

{

"\_id" : ObjectId("57ade771a05e9720e316aa87"),

"Roll No" : 8,

"Name" : "abhi",

"marks" : 25

}

{

"\_id" : ObjectId("57ade783a05e9720e316aa88"),

"Roll No" : 9,

"Name" : "Niru",

"marks" : 45

}

{

"\_id" : ObjectId("57b46ba8ad9b89de7a8baa25"),

"Roll No" : 9,

"Name" : "Niru",

"marks" : 47

}

{

"\_id" : ObjectId("57b46c99ad9b89de7a8baa26"),

"Roll No" : 10,

"Name" : "aditya",

"marks" : 21

}

{

"\_id" : ObjectId("57b47181ad9b89de7a8baa27"),

"Roll No" : 10,

"Name" : "aditya",

"marks" : 19

}

{

"\_id" : ObjectId("57b4718cad9b89de7a8baa28"),

"Roll No" : 10,

"Name" : "aditya",

"marks" : 29

}

{

"\_id" : ObjectId("57b4719aad9b89de7a8baa29"),

"Roll No" : 9,

"Name" : "Niru",

"marks" : 97

}

> db.student.aggregate([{$group:{\_id:"$Roll No",total:{$sum:1}}}])

{ "\_id" : 10, "total" : 3 }

{ "\_id" : 9, "total" : 3 }

{ "\_id" : 8, "total" : 1 }

{ "\_id" : 7, "total" : 1 }

> db.student.aggregate([{$group:{\_id:"$Name",total:{$sum:"$marks"}}}])

{ "\_id" : "aditya", "total" : 69 }

{ "\_id" : "Niru", "total" : 189 }

{ "\_id" : "abhi", "total" : 25 }

{ "\_id" : "Dhanya", "total" : 25 }

> db.student.aggregate([{$group:{\_id:"$Name",total:{$avg:"$marks"}}}])

{ "\_id" : "aditya", "total" : 23 }

{ "\_id" : "Niru", "total" : 63 }

{ "\_id" : "abhi", "total" : 25 }

{ "\_id" : "Dhanya", "total" : 25 }

> db.student.aggregate([{$group:{\_id:"$Name",min\_marks:{$min:"$marks"}}}])

{ "\_id" : "aditya", "min\_marks" : 19 }

{ "\_id" : "Niru", "min\_marks" : 45 }

{ "\_id" : "abhi", "min\_marks" : 25 }

{ "\_id" : "Dhanya", "min\_marks" : 25 }

> db.student.aggregate([{$group:{\_id:"$Name",min\_marks:{$max:"$marks"}}}])

{ "\_id" : "aditya", "min\_marks" : 29 }

{ "\_id" : "Niru", "min\_marks" : 97 }

{ "\_id" : "abhi", "min\_marks" : 25 }

{ "\_id" : "Dhanya", "min\_marks" : 25 }

> db.student.ensureIndex({"Roll No":1,"Name":-1}) //1 for ascending order and -1 foe descending order

{

"createdCollectionAutomatically" : false,

"numIndexesBefore" : 1,

"numIndexesAfter" : 2,

"ok" : 1

}

> db.student.getIndexes()

[

{

"v" : 1,

"key" : {

"\_id" : 1

},

"name" : "\_id\_",

"ns" : "te3152db.student"

},

{

"v" : 1,

"key" : {

"Roll No" : 1,

"Name" : -1

},

"name" : "Roll No\_1\_Name\_-1",

"ns" : "te3152db.student"

}

]

> db.student.find().sort({"Roll No":1});

{ "\_id" : ObjectId("57ade760a05e9720e316aa86"), "Roll No" : 7, "Name" : "Dhanya", "marks" : 25 }

{ "\_id" : ObjectId("57ade771a05e9720e316aa87"), "Roll No" : 8, "Name" : "abhi", "marks" : 25 }

{ "\_id" : ObjectId("57b46ba8ad9b89de7a8baa25"), "Roll No" : 9, "Name" : "Niru", "marks" : 47 }

{ "\_id" : ObjectId("57ade783a05e9720e316aa88"), "Roll No" : 9, "Name" : "Niru", "marks" : 45 }

{ "\_id" : ObjectId("57b4719aad9b89de7a8baa29"), "Roll No" : 9, "Name" : "Niru", "marks" : 97 }

{ "\_id" : ObjectId("57b47181ad9b89de7a8baa27"), "Roll No" : 10, "Name" : "aditya", "marks" : 19 }

{ "\_id" : ObjectId("57b46c99ad9b89de7a8baa26"), "Roll No" : 10, "Name" : "aditya", "marks" : 21 }

{ "\_id" : ObjectId("57b4718cad9b89de7a8baa28"), "Roll No" : 10, "Name" : "aditya", "marks" : 29 }

> db.student.find().sort({"Roll No":-1});

{ "\_id" : ObjectId("57b4718cad9b89de7a8baa28"), "Roll No" : 10, "Name" : "aditya", "marks" : 29 }

{ "\_id" : ObjectId("57b46c99ad9b89de7a8baa26"), "Roll No" : 10, "Name" : "aditya", "marks" : 21 }

{ "\_id" : ObjectId("57b47181ad9b89de7a8baa27"), "Roll No" : 10, "Name" : "aditya", "marks" : 19 }

{ "\_id" : ObjectId("57b4719aad9b89de7a8baa29"), "Roll No" : 9, "Name" : "Niru", "marks" : 97 }

{ "\_id" : ObjectId("57ade783a05e9720e316aa88"), "Roll No" : 9, "Name" : "Niru", "marks" : 45 }

{ "\_id" : ObjectId("57b46ba8ad9b89de7a8baa25"), "Roll No" : 9, "Name" : "Niru", "marks" : 47 }

{ "\_id" : ObjectId("57ade771a05e9720e316aa87"), "Roll No" : 8, "Name" : "abhi", "marks" : 25 }

{ "\_id" : ObjectId("57ade760a05e9720e316aa86"), "Roll No" : 7, "Name" : "Dhanya", "marks" : 25 }

>