**1**.//**Create DB**

use Anna

switched to db Anna

**//Create Collection**

Anna> db.createCollection('Student')

{ ok: 1 }

**//insertin**

Anna> db.Student.insertMany([{Rno:1,Name:'Piyush',Class:'TE Comp'},{Rno:2,Name:'Abhi',Class:'TE Comp'},{Rno:3,Name:'Ashley',Class:'TE Comp'},{Rno:4,Name:'Hitesh',Class:'TE Comp'},{Rno:5,Name:'Paethik',Class:'TE Comp'},{Rno:6,Name:'Arun',Class:'TE Comp'}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId('66220305cef581f38d9f990a'),

'1': ObjectId('66220305cef581f38d9f990b'),

'2': ObjectId('66220305cef581f38d9f990c'),

'3': ObjectId('66220305cef581f38d9f990d'),

'4': ObjectId('66220305cef581f38d9f990e'),

'5': ObjectId('66220305cef581f38d9f990f')

}

}

**//Select**

db.Student.find()

[

{

\_id: ObjectId('66220305cef581f38d9f990a'),

Rno: 1,

Name: 'Piyush',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Hitesh',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990e'),

Rno: 5,

Name: 'Paethik',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990f'),

Rno: 6,

Name: 'Arun',

Class: 'TE Comp'

}

]

**//Update**

db.Student.updateOne({'Name':'Hitesh'},{$set:{'Name':'Henry'}});

{

acknowledged: true,

insertedId: null,

matchedCount: 0,

modifiedCount: 0,

upsertedCount: 0

}

db.Student.find().pretty();

[

{

\_id: ObjectId('66220305cef581f38d9f990a'),

Rno: 1,

Name: 'Piyush',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Henry',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990e'),

Rno: 5,

Name: 'Paethik',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990f'),

Rno: 6,

Name: 'Arun',

Class: 'TE Comp'

}

]

**//Remove**

db.Student.deleteOne({Rno:1})

{ acknowledged: true, deletedCount: 0 }

Anjali> db.Student.find()

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Henry',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990e'),

Rno: 5,

Name: 'Paethik',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990f'),

Rno: 6,

Name: 'Arun',

Class: 'TE Comp'

}

]

**//and**

db.Student.find({$and:[{Name:'Abhi'},{Rno:2}]}).pretty()

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

}

]

**//or**

Anna> db.Student.find({$or:[{Name:'Abhi'},{Rno:5}]})

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990e'),

Rno: 5,

Name: 'Paethik',

Class: 'TE Comp'

}

]

**//nor**

Anna> db.Student.find({$nor:[{Name:'Piyush'},{Class:'Eng'}]})

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Henry',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990e'),

Rno: 5,

Name: 'Paethik',

Class: 'TE Comp'

}

]

**//eq**

db.Student.find({Rno:{$eq:2}})

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

}

]

**//ne**

db.Student.find({Rno:{$ne:5}})

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Henry',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990f'),

Rno: 6,

Name: 'Piyush',

Class: 'TE Comp'

}

]

**//gt**

db.Student.find({Rno:{$gt:5}})

[

{

\_id: ObjectId('66220305cef581f38d9f990f'),

Rno: 6,

Name: 'Piyush',

Class: 'TE Comp'

}

]

**//gte**

db.Student.find({Rno:{$gte:5}})

[

{

\_id: ObjectId('66220305cef581f38d9f990e'),

Rno: 5,

Name: 'Paethik',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990f'),

Rno: 6,

Name: 'Piyush',

Class: 'TE Comp'

}

]

**//lt**

db.Student.find({Rno:{$lt:4}})

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

}

]

**//lte**

db.Student.find({Rno:{$lte:2}})

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

}

]

**//lt &gt**

db.Student.find({Rno:{$lt:5,$gt:2}})

[

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Henry',

Class: 'TE Comp'

}

]

**//lte&gt**

db.Student.find({Rno:{$lte:5,$gt:2}})

[

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Henry',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990e'),

Rno: 5,

Name: 'Paethik',

Class: 'TE Comp'

}

]

//lte&gte

db.Student.find({Rno:{$lte:5,$gte:2}})

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Henry',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990e'),

Rno: 5,

Name: 'Paethik',

Class: 'TE Comp'

}

]

//lt7gte

db.Student.find({Rno:{$lt:5,$gte:2}})

[

{

\_id: ObjectId('66220305cef581f38d9f990b'),

Rno: 2,

Name: 'Abhi',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990c'),

Rno: 3,

Name: 'Ashley',

Class: 'TE Comp'

},

{

\_id: ObjectId('66220305cef581f38d9f990d'),

Rno: 4,

Name: 'Henry',

Class: 'TE Comp'

}

]