test> use four;

switched to db four

four> db.teachers.insertMany([{tname : 'alice',dno : 1,dname : 'cs',exp : 4,sal : 10000,doj : '2023-01-02'},{tname : 'charlie',dno : 2,dname : 'it',exp : 5,sal : 12000,doj : '2022-08-11'},{tname : 'bob',dno : 2,dname : 'it',exp : 4,sal : 13000,doj : '2022-01-13'},{tname : 'pravin',dno : 3,dname : 'entc',exp : 3,sal : 9000,doj : '2023-01-29'},{tname : 'clay',dno : 4,dname : 'civil',exp : 2,sal : 6000,doj : '2023-04-03'}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId("65471e78b16bb1163ab2ffbe"),

'1': ObjectId("65471e78b16bb1163ab2ffbf"),

'2': ObjectId("65471e78b16bb1163ab2ffc0"),

'3': ObjectId("65471e78b16bb1163ab2ffc1"),

'4': ObjectId("65471e78b16bb1163ab2ffc2")

}

}

four> db.teachers.find()

[

{

\_id: ObjectId("65471e78b16bb1163ab2ffbe"),

tname: 'alice',

dno: 1,

dname: 'cs',

exp: 4,

sal: 10000,

doj: '2023-01-02'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffbf"),

tname: 'charlie',

dno: 2,

dname: 'it',

exp: 5,

sal: 12000,

doj: '2022-08-11'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc0"),

tname: 'bob',

dno: 2,

dname: 'it',

exp: 4,

sal: 13000,

doj: '2022-01-13'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc1"),

tname: 'pravin',

dno: 3,

dname: 'entc',

exp: 3,

sal: 9000,

doj: '2023-01-29'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc2"),

tname: 'clay',

dno: 4,

dname: 'civil',

exp: 2,

sal: 6000,

doj: '2023-04-03'

}

]

four> db.student.insertMany([{sname : 'abc',rollno : 1,class : 'a'},{sname : 'pqr',rollno : 2,class : 'c'},{sname : 'xyz',rollno : 3,class : 'b'}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId("65471ee4b16bb1163ab2ffc3"),

'1': ObjectId("65471ee4b16bb1163ab2ffc4"),

'2': ObjectId("65471ee4b16bb1163ab2ffc5")

}

}

four> db.student.find()

[

{

\_id: ObjectId("65471ee4b16bb1163ab2ffc3"),

sname: 'abc',

rollno: 1,

class: 'a'

},

{

\_id: ObjectId("65471ee4b16bb1163ab2ffc4"),

sname: 'pqr',

rollno: 2,

class: 'c'

},

{

\_id: ObjectId("65471ee4b16bb1163ab2ffc5"),

sname: 'xyz',

rollno: 3,

class: 'b'

}

]

four> db.teachers.find().sort({tname : 1})

[

{

\_id: ObjectId("65471e78b16bb1163ab2ffbe"),

tname: 'alice',

dno: 1,

dname: 'cs',

exp: 4,

sal: 10000,

doj: '2023-01-02'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc0"),

tname: 'bob',

dno: 2,

dname: 'it',

exp: 4,

sal: 13000,

doj: '2022-01-13'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffbf"),

tname: 'charlie',

dno: 2,

dname: 'it',

exp: 5,

sal: 12000,

doj: '2022-08-11'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc2"),

tname: 'clay',

dno: 4,

dname: 'civil',

exp: 2,

sal: 6000,

doj: '2023-04-03'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc1"),

tname: 'pravin',

dno: 3,

dname: 'entc',

exp: 3,

sal: 9000,

doj: '2023-01-29'

}

]

four> db.teachers.find({dname : 'cs'})

[

{

\_id: ObjectId("65471e78b16bb1163ab2ffbe"),

tname: 'alice',

dno: 1,

dname: 'cs',

exp: 4,

sal: 10000,

doj: '2023-01-02'

}

]

four> db.teachers.find({dname : {$in : ['cs','it','entc']}})

[

{

\_id: ObjectId("65471e78b16bb1163ab2ffbe"),

tname: 'alice',

dno: 1,

dname: 'cs',

exp: 4,

sal: 10000,

doj: '2023-01-02'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffbf"),

tname: 'charlie',

dno: 2,

dname: 'it',

exp: 5,

sal: 12000,

doj: '2022-08-11'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc0"),

tname: 'bob',

dno: 2,

dname: 'it',

exp: 4,

sal: 13000,

doj: '2022-01-13'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc1"),

tname: 'pravin',

dno: 3,

dname: 'entc',

exp: 3,

sal: 9000,

doj: '2023-01-29'

}

]

four> db.teachers.find({dname : {$in : ['cs','it','entc']},sal : {$gte : 10000}})

[

{

\_id: ObjectId("65471e78b16bb1163ab2ffbe"),

tname: 'alice',

dno: 1,

dname: 'cs',

exp: 4,

sal: 10000,

doj: '2023-01-02'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffbf"),

tname: 'charlie',

dno: 2,

dname: 'it',

exp: 5,

sal: 12000,

doj: '2022-08-11'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc0"),

tname: 'bob',

dno: 2,

dname: 'it',

exp: 4,

sal: 13000,

doj: '2022-01-13'

}

]

four> db.student.find({$or : [{rollno : 2},{sname : 'xyz'}]})

[

{

\_id: ObjectId("65471ee4b16bb1163ab2ffc4"),

sname: 'pqr',

rollno: 2,

class: 'c'

},

{

\_id: ObjectId("65471ee4b16bb1163ab2ffc5"),

sname: 'xyz',

rollno: 3,

class: 'b'

}

]

four> db.teachers.update({tname : 'pravin'},{$set : {exp : 10}},{upsert : true})

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

four> db.teachers.find({tname : 'pravin'})

[

{

\_id: ObjectId("65471e78b16bb1163ab2ffc1"),

tname: 'pravin',

dno: 3,

dname: 'entc',

exp: 10,

sal: 9000,

doj: '2023-01-29'

}

]

four> db.teachers.update({dname : 'it'},{$set : {dname : 'cs'}},{multi : true})

{

acknowledged: true,

insertedId: null,

matchedCount: 2,

modifiedCount: 2,

upsertedCount: 0

}

four> db.teachers.find()

[

{

\_id: ObjectId("65471e78b16bb1163ab2ffbe"),

tname: 'alice',

dno: 1,

dname: 'cs',

exp: 4,

sal: 10000,

doj: '2023-01-02'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffbf"),

tname: 'charlie',

dno: 2,

dname: 'cs',

exp: 5,

sal: 12000,

doj: '2022-08-11'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc0"),

tname: 'bob',

dno: 2,

dname: 'cs',

exp: 4,

sal: 13000,

doj: '2022-01-13'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc1"),

tname: 'pravin',

dno: 3,

dname: 'entc',

exp: 10,

sal: 9000,

doj: '2023-01-29'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc2"),

tname: 'clay',

dno: 4,

dname: 'civil',

exp: 2,

sal: 6000,

doj: '2023-04-03'

}

]

four> db.teachers.find({},{tname : 1,exp :1})

[

{ \_id: ObjectId("65471e78b16bb1163ab2ffbe"), tname: 'alice', exp: 4 },

{

\_id: ObjectId("65471e78b16bb1163ab2ffbf"),

tname: 'charlie',

exp: 5

},

{ \_id: ObjectId("65471e78b16bb1163ab2ffc0"), tname: 'bob', exp: 4 },

{

\_id: ObjectId("65471e78b16bb1163ab2ffc1"),

tname: 'pravin',

exp: 10

},

{ \_id: ObjectId("65471e78b16bb1163ab2ffc2"), tname: 'clay', exp: 2 }

]

four> db.teachers.remove({dname : 'it'})

DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.

{ acknowledged: true, deletedCount: 0 }

four> db.teachers.find().sort({tname : 1}).limit(3).pretty()

[

{

\_id: ObjectId("65471e78b16bb1163ab2ffbe"),

tname: 'alice',

dno: 1,

dname: 'cs',

exp: 4,

sal: 10000,

doj: '2023-01-02'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffc0"),

tname: 'bob',

dno: 2,

dname: 'cs',

exp: 4,

sal: 13000,

doj: '2022-01-13'

},

{

\_id: ObjectId("65471e78b16bb1163ab2ffbf"),

tname: 'charlie',

dno: 2,

dname: 'cs',

exp: 5,

sal: 12000,

doj: '2022-08-11'

}

]

four>