four> use five;

switched to db five

five> db.book.insertMany([{title : 'habits',author : 'clay',genre: 'fict',price : 234,pdate : '2023-02-11'},{title : 'ikigai',author : 'garcia',genre : 'fict',price : 350,pdate : '2022-12-13'},{title : 'lost',author : 'clay',genre : 'mystery',price : 170,pdate : '2023-05-14'},{title : 'sky',author :'hannah',genre : 'sci-fi',price : 275,pdate : '2023-10-11'}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId("654723d3b16bb1163ab2ffc6"),

'1': ObjectId("654723d3b16bb1163ab2ffc7"),

'2': ObjectId("654723d3b16bb1163ab2ffc8"),

'3': ObjectId("654723d3b16bb1163ab2ffc9")

}

}

five> db.book.find()

[

{

\_id: ObjectId("654723d3b16bb1163ab2ffc6"),

title: 'habits',

author: 'clay',

genre: 'fict',

price: 234,

pdate: '2023-02-11'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc7"),

title: 'ikigai',

author: 'garcia',

genre: 'fict',

price: 350,

pdate: '2022-12-13'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc8"),

title: 'lost',

author: 'clay',

genre: 'mystery',

price: 170,

pdate: '2023-05-14'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc9"),

title: 'sky',

author: 'hannah',

genre: 'sci-fi',

price: 275,

pdate: '2023-10-11'

}

]

five> db.book.aggregate([{$group : {\_id : null,avgP : {$avg : "$price"}}}])

[ { \_id: null, avgP: 257.25 } ]

five> db.book.aggregate([{$group : {\_id : "$genre",count : {$sum : 1}}}])

[

{ \_id: 'sci-fi', count: 1 },

{ \_id: 'fict', count: 2 },

{ \_id: 'mystery', count: 1 }

]

five> db.book.aggregate([{$group : {\_id : "$genre",mExpBook : {$max : "$price"}}}])

[

{ \_id: 'fict', mExpBook: 350 },

{ \_id: 'mystery', mExpBook: 170 },

{ \_id: 'sci-fi', mExpBook: 275 }

]

five> db.book.aggregate([{$group : {\_id : "$author",count : {$sum : 1}}},{$sort : {count : -1}},{$limit : 1}])

[ { \_id: 'clay', count: 2 } ]

five> db.book.aggregate([{$sort : {pdate : -1}}])

[

{

\_id: ObjectId("654723d3b16bb1163ab2ffc9"),

title: 'sky',

author: 'hannah',

genre: 'sci-fi',

price: 275,

pdate: '2023-10-11'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc8"),

title: 'lost',

author: 'clay',

genre: 'mystery',

price: 170,

pdate: '2023-05-14'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc6"),

title: 'habits',

author: 'clay',

genre: 'fict',

price: 234,

pdate: '2023-02-11'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc7"),

title: 'ikigai',

author: 'garcia',

genre: 'fict',

price: 350,

pdate: '2022-12-13'

}

]

five> db.book.aggregate([{$sort : {price : 1}}])

[

{

\_id: ObjectId("654723d3b16bb1163ab2ffc8"),

title: 'lost',

author: 'clay',

genre: 'mystery',

price: 170,

pdate: '2023-05-14'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc6"),

title: 'habits',

author: 'clay',

genre: 'fict',

price: 234,

pdate: '2023-02-11'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc9"),

title: 'sky',

author: 'hannah',

genre: 'sci-fi',

price: 275,

pdate: '2023-10-11'

},

{

\_id: ObjectId("654723d3b16bb1163ab2ffc7"),

title: 'ikigai',

author: 'garcia',

genre: 'fict',

price: 350,

pdate: '2022-12-13'

}

]

five> db.book.createIndex({title : 1})

title\_1

five> db.book.getIndexes()

[

{ v: 2, key: { \_id: 1 }, name: '\_id\_' },

{ v: 2, key: { title: 1 }, name: 'title\_1' }

]

five> db.book.dropIndex({title : 1})

{ nIndexesWas: 2, ok: 1 }

five> db.book.getIndexes()

[ { v: 2, key: { \_id: 1 }, name: '\_id\_' } ]