db.movies.insertMany([{"name":"Monty Python and the Holy Grail", "director":["Terry Gilliam", "Terry Jones"], "genres":["Comedy","Fantasy"], "rating":"PG", "length":"89m", "rank":4, "release\_date":"04/27/1975"}, {"name":"Star Wars", "director":"George Lucas", "genres":["SciFi","Fantasy"], "rating":"PG-13", "length":"121m", "rank":3,"release\_date":"05/25/1977"},{"name":"To Catch a Theif", "director":"Alfred Hitchock","genres":["Mystery","Thriller"],"rating":"PG","length":"106m","rank":1,"release\_date":"08/03/1965"}])

{

{

acknowledged: true,

insertedIds: {

'0': ObjectId('6667c6ac682e8fce4aec2ccd'),

'1': ObjectId('6667c6ac682e8fce4aec2cce'),

'2': ObjectId('6667c6ac682e8fce4aec2ccf')

}

}

db.movies.insertOne({"name":"Men in Black", "director":"Barry Somenfeld", "genres":"SciFi", "rating":"PG-13", "length":"98m", "release\_date":"07/02/1997","reviews":[{"John":"Pretty good film"},{"Sarah":Hilarious,loved it”}],"rank":6})

db.movies.find({"rating":"PG","director":"Alfred Hitchock"})

[

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif',

director: 'Alfred Hitchock',

genres: [ 'Mystery', 'Thriller' ],

rating: 'PG',

length: '106m',

rank: 1,

release\_date: '08/03/1965'

}

]

movie-database> db.movies.find({},{"name":1})

[

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings'

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's"

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail'

},

{ \_id: ObjectId('6667c6ac682e8fce4aec2cce'), name: 'Star Wars' },

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif'

},

{ \_id: ObjectId('6667c7ed682e8fce4aec2cd0'), name: 'Men in Black' }

]

db.movies.find().limit(3)

[

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings',

director: 'Peter Jackson',

genres: 'Fantasy',

length: '178m',

release\_data: '12/19/2001',

rank: 5

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's",

director: 'Blake Edwards',

genres: [ 'Romance', 'Comedy' ],

rating: 'G',

length: '115m',

rank: 3,

release\_date: '10/05/1961'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail',

director: [ 'Terry Gilliam', 'Terry Jones' ],

genres: [ 'Comedy', 'Fantasy' ],

rating: 'PG',

length: '89m',

rank: 4,

release\_date: '04/27/1975'

}

]

movie-database> db.movies.find({},{"name":1})

[

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings'

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's"

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail'

},

{ \_id: ObjectId('6667c6ac682e8fce4aec2cce'), name: 'Star Wars' },

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif'

},

{ \_id: ObjectId('6667c7ed682e8fce4aec2cd0'), name: 'Men in Black' }

]

movie-database> db.movies.find({},{"name":1}).sort({"rank":1})

[

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif'

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's"

},

{ \_id: ObjectId('6667c6ac682e8fce4aec2cce'), name: 'Star Wars' },

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail'

},

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings'

},

{ \_id: ObjectId('6667c7ed682e8fce4aec2cd0'), name: 'Men in Black' }

]

db.movies.find({},{"name":1}).sort({"rank":1})

[

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif'

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's"

},

{ \_id: ObjectId('6667c6ac682e8fce4aec2cce'), name: 'Star Wars' },

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail'

},

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings'

},

{ \_id: ObjectId('6667c7ed682e8fce4aec2cd0'), name: 'Men in Black' }

]

movie-database> db.movies.find({},{"name":1}).sort({"rank":-1})

[

{ \_id: ObjectId('6667c7ed682e8fce4aec2cd0'), name: 'Men in Black' },

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail'

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's"

},

{ \_id: ObjectId('6667c6ac682e8fce4aec2cce'), name: 'Star Wars' },

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif'

}

]

movie-database> db.movies.find({"rank":{$gt:4}})

[

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings',

director: 'Peter Jackson',

genres: 'Fantasy',

length: '178m',

release\_data: '12/19/2001',

rank: 5

},

{

\_id: ObjectId('6667c7ed682e8fce4aec2cd0'),

name: 'Men in Black',

director: 'Barry Somenfeld',

genres: 'SciFi',

rating: 'PG-13',

length: '98m',

release\_date: '07/02/1997',

reviews: [ { John: 'Pretty good film' }, { Sarah: 'Hilarious,loved it' } ],

rank: 6

}

]

db.movies.find({"rank":{$gt:4}})

[

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings',

director: 'Peter Jackson',

genres: 'Fantasy',

length: '178m',

release\_data: '12/19/2001',

rank: 5

},

{

\_id: ObjectId('6667c7ed682e8fce4aec2cd0'),

name: 'Men in Black',

director: 'Barry Somenfeld',

genres: 'SciFi',

rating: 'PG-13',

length: '98m',

release\_date: '07/02/1997',

reviews: [ { John: 'Pretty good film' }, { Sarah: 'Hilarious,loved it' } ],

rank: 6

}

]

movie-database> db.movies.find({"rank":{$lt:4}})

[

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's",

director: 'Blake Edwards',

genres: [ 'Romance', 'Comedy' ],

rating: 'G',

length: '115m',

rank: 3,

release\_date: '10/05/1961'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2cce'),

name: 'Star Wars',

director: 'George Lucas',

genres: [ 'SciFi', 'Fantasy' ],

rating: 'PG-13',

length: '121m',

rank: 3,

release\_date: '05/25/1977'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif',

director: 'Alfred Hitchock',

genres: [ 'Mystery', 'Thriller' ],

rating: 'PG',

length: '106m',

rank: 1,

release\_date: '08/03/1965'

}

]

movie-database> db.movies.find({"rank":{$lte:4}})

[

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's",

director: 'Blake Edwards',

genres: [ 'Romance', 'Comedy' ],

rating: 'G',

length: '115m',

rank: 3,

release\_date: '10/05/1961'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail',

director: [ 'Terry Gilliam', 'Terry Jones' ],

genres: [ 'Comedy', 'Fantasy' ],

rating: 'PG',

length: '89m',

rank: 4,

release\_date: '04/27/1975'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2cce'),

name: 'Star Wars',

director: 'George Lucas',

genres: [ 'SciFi', 'Fantasy' ],

rating: 'PG-13',

length: '121m',

rank: 3,

release\_date: '05/25/1977'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif',

director: 'Alfred Hitchock',

genres: [ 'Mystery', 'Thriller' ],

rating: 'PG',

length: '106m',

rank: 1,

release\_date: '08/03/1965'

}

]

db.movies.find({$or:[{"rank":{$gt:2}},{"rating":"PG"}]})

[

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings',

director: 'Peter Jackson',

genres: 'Fantasy',

length: '178m',

release\_data: '12/19/2001',

rank: 5

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's",

director: 'Blake Edwards',

genres: [ 'Romance', 'Comedy' ],

rating: 'G',

length: '115m',

rank: 3,

release\_date: '10/05/1961'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail',

director: [ 'Terry Gilliam', 'Terry Jones' ],

genres: [ 'Comedy', 'Fantasy' ],

rating: 'PG',

length: '89m',

rank: 4,

release\_date: '04/27/1975'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2cce'),

name: 'Star Wars',

director: 'George Lucas',

genres: [ 'SciFi', 'Fantasy' ],

rating: 'PG-13',

length: '121m',

rank: 3,

release\_date: '05/25/1977'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif',

director: 'Alfred Hitchock',

genres: [ 'Mystery', 'Thriller' ],

rating: 'PG',

length: '106m',

rank: 1,

release\_date: '08/03/1965'

},

{

\_id: ObjectId('6667c7ed682e8fce4aec2cd0'),

name: 'Men in Black',

director: 'Barry Somenfeld',

genres: 'SciFi',

rating: 'PG-13',

length: '98m',

release\_date: '07/02/1997',

reviews: [ { John: 'Pretty good film' }, { Sarah: 'Hilarious,loved it' } ],

rank: 6

}

]

db.movies.find({"rank":{$in:[2,3,5]}})

[

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings',

director: 'Peter Jackson',

genres: 'Fantasy',

length: '178m',

release\_data: '12/19/2001',

rank: 5

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's",

director: 'Blake Edwards',

genres: [ 'Romance', 'Comedy' ],

rating: 'G',

length: '115m',

rank: 3,

release\_date: '10/05/1961'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2cce'),

name: 'Star Wars',

director: 'George Lucas',

genres: [ 'SciFi', 'Fantasy' ],

rating: 'PG-13',

length: '121m',

rank: 3,

release\_date: '05/25/1977'

}

]

db.movies.find({"rank":{$in:[2,3,5]}})

[

{

\_id: ObjectId('6667bc6178a2e59843c2606a'),

name: 'Lord of the Rings',

director: 'Peter Jackson',

genres: 'Fantasy',

length: '178m',

release\_data: '12/19/2001',

rank: 5

},

{

\_id: ObjectId('6667c19c682e8fce4aec2ccc'),

name: "Breakfast at Tiffany's",

director: 'Blake Edwards',

genres: [ 'Romance', 'Comedy' ],

rating: 'G',

length: '115m',

rank: 3,

release\_date: '10/05/1961'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2cce'),

name: 'Star Wars',

director: 'George Lucas',

genres: [ 'SciFi', 'Fantasy' ],

rating: 'PG-13',

length: '121m',

rank: 3,

release\_date: '05/25/1977'

}

]

movie-database> db.movies.find({"rank":{$nin:[2,3,5]}})

[

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccd'),

name: 'Monty Python and the Holy Grail',

director: [ 'Terry Gilliam', 'Terry Jones' ],

genres: [ 'Comedy', 'Fantasy' ],

rating: 'PG',

length: '89m',

rank: 4,

release\_date: '04/27/1975'

},

{

\_id: ObjectId('6667c6ac682e8fce4aec2ccf'),

name: 'To Catch a Theif',

director: 'Alfred Hitchock',

genres: [ 'Mystery', 'Thriller' ],

rating: 'PG',

length: '106m',

rank: 1,

release\_date: '08/03/1965'

},

{

\_id: ObjectId('6667c7ed682e8fce4aec2cd0'),

name: 'Men in Black',

director: 'Barry Somenfeld',

genres: 'SciFi',

rating: 'PG-13',

length: '98m',

release\_date: '07/02/1997',

reviews: [ { John: 'Pretty good film' }, { Sarah: 'Hilarious,loved it' } ],

rank: 6

}

]

db.movies.find({"genres":"SciFi"})

[

{

\_id: ObjectId('6667c6ac682e8fce4aec2cce'),

name: 'Star Wars',

director: 'George Lucas',

genres: [ 'SciFi', 'Fantasy' ],

rating: 'PG-13',

length: '121m',

rank: 3,

release\_date: '05/25/1977'

},

{

\_id: ObjectId('6667c7ed682e8fce4aec2cd0'),

name: 'Men in Black',

director: 'Barry Somenfeld',

genres: 'SciFi',

rating: 'PG-13',

length: '98m',

release\_date: '07/02/1997',

reviews: [ { John: 'Pretty good film' }, { Sarah: 'Hilarious,loved it' } ],

rank: 6

}

]

db.movies.find({"genres":["SciFi","Fantasy"]})

[

{

\_id: ObjectId('6667c6ac682e8fce4aec2cce'),

name: 'Star Wars',

director: 'George Lucas',

genres: [ 'SciFi', 'Fantasy' ],

rating: 'PG-13',

length: '121m',

rank: 3,

release\_date: '05/25/1977'

}

]