**Comparison Operators**

1. **In movie Details find Movies runtime Greater than 90 min**  
   db.movieDetails.find({runtime:{$gt: 90}}).pretty();
2. **In movie Details find Movies runtime Greater than , equal to 90 min and less than, equal to 120 min**db.movieDetails.find({runtime:{$gte: 90, $lte:120}}).pretty();
3. **In movie Details find Movies titles and runtime, where runtime Greater than , equal to 90 min and less than, equal to 120 min.**db.movieDetails.find({runtime:{$gte:90, $lte:120}},{\_id:0, title:1,runtime:1});
4. **In the video.movieDetails collection to determine how many movies list "Ethan Coen" or "Joel Coen" among their writers1** db.movieDetails.find({writers:{$in:["Ethan Coen", "Joel Coen"]}}).count();

**Read about the comparison operators more.**

**Element Operators**

1. **Check if a field Exists**{mpaaRatings: {$exists: true}}

**Logical Operators**

**1. $or**

db.movieDetails.find({$or : [

{"tomato.meter":{$gt: 95}},

{"metacritic": {$gt: 88}}

]}, {\_id: 0, title: 1, "tomato.meter": 1, "metacritic": 1})

**2. $and**

db.movieDetails.find({$and : [

{"tomato.meter":{$gt: 95}},

{"metacritic": {$gt: 88}}

]}, {\_id: 0, title: 1, "tomato.meter": 1, "metacritic": 1})

**Which is equal to**

db.movieDetails.find({

"tomato.meter": {$gt: 95},

"metacritic": {$gt: 88}

}, {

\_id: 0,

title: 1,

"tomato.meter": 1,

"metacritic": 1

})

**But its usefull for cases like**

db.movieDetails.find({

$and: [{

"tomato.meter": {

$gt: 90

}

},

{

"tomato.meter": {

$lt: 95

}

}

]

}, {

\_id: 0,

title: 1,

"tomato.meter": 1,

"metacritic": 1

})

**Array Operators**

1. **$all -> selects all the documents based on the array field condition**

**Find all the movies where genre is Comedy and Drama among the genres**

db.movieDetails.find({

"genres": {

$all: ["Comedy", "Drama"]

}

},

{

\_id: 0,

"title": 1,

"genres": 1

}

);

**FInd count of all the collections where section value is ‘AG1’ MD1 and OA1**

db.data.find({

"sections": {

$all: ["AG1", "MD1", "OA1"]

}

}).count();

1. **$size: to match documents based on the length of an array.  
     
   In the 100YWeatherSmall.data collection. How many documents in this collection contain exactly two elements in the sections array field?**

db.data.find({

"sections": {

$size: 2

}

}).count();

1. $elemMatch