

# W9 Operator Activity

#CS364

## W9 Activity\_ Operators MongoDB

PDF 194 KB · Mar 6, 2024

## Exercise 1: Nested Queries

```
db.movies.find({ 'awards.wins' : 1})
```

```
[Atlas atlas-x1mcm4-shard-0 [primary] sample_mflix> db.movies.find({ 'awards.wins' : 1})
[
  {
    _id: ObjectId('573a1390f29313caabcd42e8'),
    plot: 'A group of bandits stage a brazen train hold-up, only to find a determined posse hot on their heels.',
    genres: [ 'Short', 'Western' ],
    runtime: 11,
    cast: [
      'A.C. Abadie',
      "Gilbert M. 'Broncho Billy' Anderson",
      'George Barnes',
      'Justus D. Barnes'
    ],
    poster: 'https://m.media-amazon.com/images/M/MV5BMTU3NjE5NzYtYTYYNS00MDVmLWIwYjgtMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNz
    title: 'The Great Train Robbery',
    fullplot: "Among the earliest existing films in American cinema – notable as the first film that presented a narrat
    up a train and rob the passengers. They are then pursued by a Sheriff's posse. Several scenes have color included – all
    languages: [ 'English' ],
    released: ISODate('1903-12-01T00:00:00.000Z'),
    directors: [ 'Edwin S. Porter' ],
    rated: 'TV-G',
    awards: { wins: 1, nominations: 0, text: '1 win.' },
    lastupdated: '2015-08-13 00:27:59.177000000',
    year: 1903,
    imdb: { rating: 7.4, votes: 9847, id: 439 },
    countries: [ 'USA' ],
    type: 'movie',
    tomatoes: {
      viewer: { rating: 3.7, numReviews: 2559, meter: 75 },
      fresh: 6,
      critic: { rating: 7.6, numReviews: 6, meter: 100 },
      rotten: 0,
      lastUpdated: ISODate('2015-08-08T19:16:10.000Z')
    },
    num_mflix_comments: 0
  }
]
```

```
db.movies.find( { genres: "Drama" })
```

```

],
awards: { wins: 1, nominations: 0, text: '1 win.' },
lastupdated: '2015-08-25 00:40:54.383000000',
year: 1926,
imdb: { rating: 6.9, votes: 222, id: 16634 },
countries: [ 'USA' ],
type: 'movie',
tomatoes: {
  viewer: { rating: 3.6, numReviews: 75, meter: 38 },
  dvd: ISODate('2000-03-28T00:00:00Z'),
  lastUpdated: ISODate('2015-04-18T18:16:04.000Z')
},
{
  _id: ObjectId('573a1391f29313caabcd8521'),
  plot: 'The son of the sheik and a dancing girl fall in love, but when he is made to believe she has betrayed him he seeks revenge.',
  genres: [ 'Adventure', 'Drama' ],
  runtime: 68,
  rated: 'PASSED',
  cast: [
    'Rudolph Valentino',
    'Vilma Bánky',
    'George Fawcett',
    'Montagu Love'
  ],
  poster: 'https://m.media-amazon.com/images/M/MV5BNzY0MWNjQtMzg1YS00ZWQzLTlhMwMtNTU2ZTUxZDZ1NTR1XkEyXkFqcGdeQXVyNjc0MzMzNjA0._V1_SY1000_SX677_AL_.jpg',
  title: 'The Son of the Sheik',
  fullplot: "Men and women, fathers and children. Ahmed, son of Diana and Sheik Ahmed Ben Hassan, falls in love with Yasmin, a dancing girl who fronts her father's gang of mountebanks. Among the cutthroats is Ghobab, a villainous Moor to whom Yasmin is promised. In ruins near Touggourt, the city where Yasmin dances, she and Ahmed meet secretly until one night when her father and the gang capture the son of the sheik, torture him, and hold him for ransom. Will Ahmed believe that Yasmin set him up for capture? Even if true love finds a way through webs of deceit, what will the vigorous and imposing sheik say about his son consorting with a dancing girl?",
  languages: [ 'English' ],
  released: ISODate('1926-09-05T00:00:00.000Z'),
  directors: [ 'George Fitzmaurice' ],
  writers: [
    'Edith Maude Hull (based on the novel by)',
    'Frances Marion (screen adaptation)',
    'Fred De Gresac (screen adaptation)',
    'George Marion Jr. (titles)'
  ],
  awards: { wins: 1, nominations: 0, text: '1 win.' },
  lastupdated: '2015-08-28 00:55:59.283000000',
  year: 1926,
  imdb: { rating: 7.5, votes: 1339, id: 17416 },
  countries: [ 'USA' ],
  type: 'movie',
  tomatoes: {
    viewer: { rating: 3.5, numReviews: 81, meter: 62 },
    fresh: 8,
    critic: { rating: 6.9, numReviews: 7, meter: 71 },
    rotten: 2,
    lastUpdated: ISODate('2015-07-01T19:58:21.000Z')
  },
  num_mflix_comments: 0
}
]
Type "it" for more
Atlas atlas-x1mc4-shard-0 [primary] sample_mflix> db.movies.find( { genres: "Drama" })

```

## exercise 2: equal

```

db.movies.findOne({type: {$eq: 'movie'}})
Atlas atlas-x1mc4-shard-0 [primary] sample_mflix> db.movies.findOne({type: {$eq: 'movie'}})
{
  _id: ObjectId('573a1390f29313caabcd42e8'),
  plot: 'A group of bandits stage a brazen train hold-up, only to find a determined posse hot on their heels.',
  genres: [ 'Short', 'Western' ],
  runtime: 11,
  cast: [
    'A.C. Abadie',
    "Gilbert M. 'Broncho Billy' Anderson",
    'George Barnes',
    'Justus D. Barnes'
  ],
  poster: 'https://m.media-amazon.com/images/M/MV5BMTU3NjE5NzYtYTYYNS00MDVmLWIwYjgtMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQx',
  title: 'The Great Train Robbery',
  fullplot: "Among the earliest existing films in American cinema – notable as the first film that presented a narrative story in motion picture form – the film depicts a train and rob the passengers. They are then pursued by a Sheriff's posse. Several scenes have color included – all hand painted by Edwin S. Porter himself.",
  languages: [ 'English' ],
  released: ISODate('1903-12-01T00:00:00.000Z'),
  directors: [ 'Edwin S. Porter' ],
  rated: 'TV-G',
  awards: { wins: 1, nominations: 0, text: '1 win.' },
  lastupdated: '2015-08-13 00:27:59.177000000',
  year: 1903,
  imdb: { rating: 7.4, votes: 9847, id: 439 },
  countries: [ 'USA' ],
  type: 'movie',
  tomatoes: {
    viewer: { rating: 3.7, numReviews: 2559, meter: 75 },
    fresh: 6,
    critic: { rating: 7.6, numReviews: 6, meter: 100 },
    rotten: 0,
    lastUpdated: ISODate('2015-08-08T19:16:10.000Z')
  },
  num_mflix_comments: 0
}

```

## exercise 3: not equal

```
db.movies.find( {type : {$ne : 'movie'} } )  
[  
  {  
    num_mflix_comments: 0,  
    poster: 'https://m.media-amazon.com/images/M/MV5BMTA2MjQ4OTc1MjFeQTJeQWpwZ15BbWU4MDAzMDM5MDMx._V1_SY1000_SX677_AL_.jpg',  
    title: 'The Thorn Birds',  
    fullplot: "This mini series covers 60 years in the lives of the Cleary family, brought from New Zealand to Australia to run their aunt Ma  
r daughter, Meggie, and her love for the family's priest, Father Ralph de Bricassart. Meggie tries to forget Ralph by marrying dashing stockm  
reunited, with tragic consequences for them both.",  
    languages: [ 'English' ],  
    released: ISODate('1983-03-27T00:00:00.000Z'),  
    awards: {  
      wins: 15,  
      nominations: 17,  
      text: 'Won 4 Golden Globes. Another 11 wins & 17 nominations.'  
    },  
    lastupdated: '2015-08-27 00:25:14.743000000',  
    year: 1983,  
    imdb: { rating: 8, votes: 5669, id: 85101 },  
    countries: [ 'USA', 'Australia' ],  
    type: 'series',  
    tomatoes: {  
      viewer: { rating: 3.7, numReviews: 1338, meter: 76 },  
      dvd: ISODate('2001-07-03T00:00:00.000Z'),  
      critic: { rating: 5.5, numReviews: 10, meter: 70 },  
      lastUpdated: ISODate('2015-08-02T19:11:11.000Z'),  
      rotten: 3,  
      fresh: 7  
    },  
  },  
  {  
    _id: ObjectId('573a1398f29313caabce8e9f'),  
    countries: [ 'UK' ],  
    genres: [ 'Drama' ],  
    runtime: 385,  
    cast: [  
      'Donald Pleasence',  
      'Janet Maw',  
      'Nigel Hawthorne',  
      'Angela Pleasence'  
    ],  
    num_mflix_comments: 0,  
    poster: 'https://m.media-amazon.com/images/M/MV5BMTM40TM40DkyM15BMl5BanBnXkFtZTYwODYwNTE5._V1._CR0,0,272,458_SX178_AL_.jpg',  
    title: 'The Barchester Chronicles',  
    lastupdated: '2015-07-20 00:27:42.997000000',  
    languages: [ 'English' ],  
    released: ISODate('1982-11-10T00:00:00.000Z'),  
    awards: { wins: 1, nominations: 7, text: '1 win & 7 nominations.' },  
    year: 1982,  
    imdb: { rating: 8.3, votes: 780, id: 86667 },  
    type: 'series'  
  }  
]  
Type "it" for more  
Atlas atlas-x1mcm4-shard-0 [primary] sample_mflix>
```

## exercise 4: less than

```
db.movies.find({runtime : {$lt: 120} } )
```

```

_id: ObjectId('573a1391f29313caabcd71f5'),
plot: 'A young man, unaccustomed to children, must accompany a young girl on a train trip.',
genres: [ 'Comedy', 'Short' ],
runtime: 35,
rated: 'PASSED',
cast: [ 'Harold Lloyd', 'Mildred Davis', 'Anna Mae Bilson' ],
poster: 'https://m.media-amazon.com/images/M/MV5BYjgzYzY1NjEtYWQxZS00ZjA4LWJlYmQtYzRjNTg3NjUwNDR1XkEyXkFqcGdeQw',
title: 'Now or Never',
fullplot: "Mary is looking after a young child whose parents have little time for her. So, when Mary travels home, her boyfriend has a mishap on the road, and is tricked out of his money by a tramp. When the tramp then hits him, he meets Mary and the child, and they plan to re-board the train together. But difficulties arise when Mary sees her boyfriend doesn't have a ticket.",
languages: [ 'English' ],
released: ISODate('1921-03-27T00:00:00.000Z'),
directors: [ 'Fred C. Newmeyer', 'Hal Roach' ],
writers: [ 'H.M. Walker (titles)', 'Sam Taylor (scenario)' ],
awards: { wins: 0, nominations: 1, text: '1 nomination.' },
lastupdated: '2015-06-25 00:02:16.613000000',
year: 1921,
imdb: { rating: 6.8, votes: 489, id: 12512 },
countries: [ 'USA' ],
type: 'movie',
tomatoes: {
  viewer: { rating: 3.8, numReviews: 3 },
  lastUpdated: ISODate('2015-07-16T17:59:55.000Z')
},
num_mflix_comments: 0
}
]
Type "it" for more
Atlas atlas-x1mcm4-shard-0 [primary] sample_mflix> █

```

## exercise 5: greater than or equal to

```

db.movies.find({'imdb.rating' : {$gte : 8}})

},
{
_id: ObjectId('573a1392f29313caabcb82c'),
plot: 'The document of the 1936 Olympics at Berlin, orchestrated as Nazi propaganda.',
genres: [ 'Documentary', 'Sport' ],
runtime: 90,
cast: [
  'Sheigo Arai',
  'Jack Beresford',
  'Ralf Berzenyi',
  'Ferenc Csék'
],
poster: 'https://m.media-amazon.com/images/M/MV5BNTAxZTk0NmItOTA2NS00MDczLWI3Mzk0NzA0OTdjNThiXkEyXkFqcGdeQXVyMTQxNzMzNDI0',
title: 'Olympia Part Two: Festival of Beauty',
fullplot: 'After being commissioned by the 1936 Olympic Committee to create a feature film of the Berlin Olympics, Riefenstahl combined the poetry of bodies in motion with close-ups of athletes in the heat of competition. The production tends to glorify the nude toward athletic prowess. Miss Riefenstahl captures the grace of athletes during field hockey, soccer, bicycling, equestrian,athlon and the Decathlon, which was won by American Glenn Morris; it ends with the triumphant conclusion of the games.',
languages: [ 'German' ],
released: ISODate('1940-03-29T00:00:00.000Z'),
directors: [ 'Leni Riefenstahl' ],
writers: [ 'Leni Riefenstahl' ],
awards: { wins: 1, nominations: 0, text: '1 win.' },
lastupdated: '2015-08-18 00:59:28.093000000',
year: 1938,
imdb: { rating: 8, votes: 1971, id: 30523 },
countries: [ 'Germany' ],
type: 'movie',
tomatoes: {
  viewer: { rating: 4.2, numReviews: 249, meter: 91 },
  lastUpdated: ISODate('2015-09-15T17:03:16.000Z')
},
num_mflix_comments: 0
}
]
Type "it" for more
Atlas atlas-x1mcm4-shard-0 [primary] sample_mflix> █

```

## exercise 6: In (set)

```
db.movies.find({genres: {$in : ['Comedy', 'Short']}})
```

## \$nin Not-In operator

```
kes lessons ...',
  genres: [ 'Comedy', 'Drama' ],
  runtime: 60,
  cast: [
    'Nancy Nash',
    'Earle Foxe',
    'Grant Withers',
    'Lydia Yeamans Titus'
  ],
  num_mflix_comments: 3,
  title: 'Upstream',
  fullplot: 'Among the residents of a theatrical boarding house is the last member of a once great acting family, down on his luck. When an offer to star in a London "Hamlet" takes lessons from a faded former star, and goes on to huge success as he forgets his old friends.',
  languages: [ 'English' ],
  released: ISODate('1927-01-30T00:00:00.000Z'),
  directors: [ 'John Ford' ],
  writers: [ 'Randall Faye', 'Wallace Smith (story)' ],
  awards: { wins: 1, nominations: 0, text: '1 win.' },
  lastupdated: '2015-06-20 00:36:05.633000000',
  year: 1927,
  imdb: { rating: 6.2, votes: 179, id: 18530 },
  countries: [ 'USA' ],
  type: 'movie',
  tomatoes: {
    viewer: { rating: 3.5, numReviews: 6 },
    lastUpdated: ISODate('2015-09-15T17:25:39.000Z')
  }
},
{
  _id: ObjectId('573a1391f29313caabcd8cf4'),
  plot: 'Mickey Mouse, piloting a steamboat, delights his passenger, Minnie, by making musical instruments out of the menagerie on deck.',
  genres: [ 'Animation', 'Family', 'Comedy' ],
  runtime: 8,
  cast: [ 'Walt Disney' ],
  num_mflix_comments: 0,
  poster: 'https://m.media-amazon.com/images/M/MV5BNTkzMTIzMjQzNV5BML5BanBnXkFtZTgwMzk4NzYwMjE0._V1_SY1000_SX677_AL_.jpg',
  title: 'Steamboat Willie',
  fullplot: 'Mickey is piloting a steamboat when Captain Pete comes to the bridge and throws him off. They stop to pick up cargo. Minnie just misses the boat and Mickey uses to grab her. She drops her sheet music of "Turkey in the Straw" and a goat eats it. With help from Mickey, she cranks the goat's tail, and it plays the tune. Mickey accompanies and by torturing various animals, until Pete comes down and puts a stop to it, putting Mickey to work peeling potatoes. While this is the first sound Mickey Mouse, there log.',
  languages: [ 'English' ],
  released: ISODate('1930-08-11T00:00:00.000Z'),
  directors: [ 'Ub Iwerks', 'Walt Disney' ],
  awards: { wins: 1, nominations: 0, text: '1 win.' },
  lastupdated: '2015-08-28 00:19:58.017000000',
  year: 1928,
  imdb: { rating: 7.7, votes: 4230, id: 19422 },
  countries: [ 'USA' ],
  type: 'movie',
  tomatoes: {
    viewer: { rating: 3.8, numReviews: 2925, meter: 83 },
    lastUpdated: ISODate('2015-07-01T19:03:21.000Z')
  }
}
]
Type "it" for more
Atlas atlas-x1mc4-shard-0 [primary] sample_mflix> db.movies.find({genres: {$in : ['Comedy', 'Short']}})
```

## exercise 7: AND

```
db.movies.find({$and : [{type: {$eq : 'series'}}, {year : {$gt: 1980}}]})
```

```

g for a quite life) on a tour of the world. However, just before the time he leaves, the Bank of England is robbed and a Detective believes that Fogg is the guilty party and he sets out after him.`,
  languages: [ 'English', 'French' ],
  released: ISODate('1989-04-16T00:00:00.000Z'),
  rated: 'PG',
  awards: {
    wins: 0,
    nominations: 4,
    text: 'Nominated for 3 Primetime Emmys. Another 1 nomination.'
  },
  lastupdated: '2015-08-16 00:30:01.260000000',
  year: 1989,
  imdb: { rating: 7.2, votes: 2147, id: 96535 },
  countries: [ 'USA', 'Italy', 'West Germany', 'Yugoslavia' ],
  type: 'series',
  tomatoes: {
    viewer: { rating: 3.6, numReviews: 301, meter: 64 },
    dvd: ISODate('2003-07-22T00:00:00.000Z'),
    lastUpdated: ISODate('2015-09-14T22:49:54.000Z')
  },
  num_mflix_comments: 0
},
{
  _id: ObjectId('573a1398f29313caabceb3aa'),
  plot: 'The story of Kat Stanton (Kidman), an Australian woman searching for her father who, whilst travelling back from London to Australia via Thailand, makes friends with Arkie Ragan (Elliott), a...',
  genres: [ 'Drama', 'Thriller' ],
  runtime: 240,
  cast: [
    'Nicole Kidman',
    'Denholm Elliott',
    'Hugo Weaving',
    'Joy Smithers'
  ],
  num_mflix_comments: 2,
  poster: 'https://m.media-amazon.com/images/M/MV5BMTMyMDgyODc5M15BMl5BanBnXkFtZTcwNDE3MTcyMQ@@._V1_SY1000_SX677_AL_.jpg',
  title: 'Bangkok Hilton',
  fullplot: 'The story of Kat Stanton (Kidman), an Australian woman searching for her father who, whilst travelling back from London to Australia via Thailand, makes friends with Arkie Ragan (Elliott), a photographer. Kat is tricked into carrying some luggage through Thai customs for Arkie, only for the police to find drugs in his bag. Kat is sentenced to spend time in the horrific "Bangkok Hilton" prison, where she makes friends with fellow inmate Mandy Engel (Smithers), who has been sentenced to death. Whilst she endures the terrible conditions inside, Kat's lawyer Richard Carlisle (Weaving) and ex-patriot Hal Stanton (Elliott) battle with the authorities to have her freed.',
  languages: [ 'English' ],
  released: ISODate('1991-10-09T00:00:00.000Z'),
  awards: { wins: 3, nominations: 1, text: '3 wins & 1 nomination.' },
  lastupdated: '2015-09-05 00:42:48.477000000',
  year: 1989,
  imdb: { rating: 7.9, votes: 3459, id: 96540 },
  countries: [ 'Australia' ],
  type: 'series',
  tomatoes: {
    viewer: { rating: 4, numReviews: 34 },
    dvd: ISODate('1999-11-02T00:00:00.000Z'),
    lastUpdated: ISODate('2015-09-03T18:16:46.000Z')
  }
}
]
Type "it" for more
Atlas atlas-x1mc4-shard-0 [primary] sample_mflix> 

```

## exercise 8: NOR

```
db.movies.find({$nor : [{type: {$eq : 'series'}}, {year : {$gt: 1980}}]}))
```

```

te herself to the group's cause. When the group meets again and deals cards to all the members, Forrest draws the ace of hearts, meaning that he will be the one to carry out the assassination. Lilith then suddenly agrees to marry him, in order to give him courage. But after their first night together, both of them begin to feel differently about what they have planned
  `,
  countries: [ 'USA' ],
  released: ISODate('1924-04-04T00:00:00.000Z'),
  directors: [ 'Wallace Worsley' ],
  writers: [ 'Gouverneur Morris (by)', 'Ruth Wightman (scenario)' ],
  awards: { wins: 0, nominations: 2, text: '2 nominations.' },
  lastupdated: '2015-07-20 00:01:29.560000000',
  year: 1922,
  imdb: { rating: 7, votes: 798, id: 11904 },
  type: 'movie',
  tomatoes: {
    viewer: { rating: 3.5, numReviews: 377, meter: 68 },
    lastUpdated: ISODate('2015-04-28T19:29:23.000Z')
  }
},
{
  _id: ObjectId('573a1391f29313caabcd70b4'),
  plot: 'An extended family split up in France and Germany find themselves on opposing sides of the battlefield during World War I.',
  genres: [ 'Drama', 'Romance', 'War' ],
  runtime: 156,
  rated: 'PASSED',
  cast: [
    'Pomeroy Cannon',
    'Josef Swickard',
    'Bridgetta Clark',
    'Rudolph Valentino'
  ],
  num_mflix_comments: 1,
  poster: 'https://m.media-amazon.com/images/M/MV5BOTU10DQYtODhKNy00YWVmLWE2YzYtMTQ5ZjA3OTNiN2QyXkEyXkFqc0deQXVyMzE0MjY5ODA@._V1_SY1000_SX677_AL_.jpg',
  title: 'The Four Horsemen of the Apocalypse',
  fullplot: 'Julio Madariaga is the Argentine patriarch of a wealthy family. He has two daughters, the elder wed to a Frenchman and the other to a German. He prefers the Frenchman and his family, especially his grandson Julio, causing jealousy from the German and his three sons. When Madariaga dies, the family splits up, each son-in-law returning to his own country. The Frenchman and his wife move to Paris, where Julio becomes an artist and has an affair with an unhappily married woman, the lovely Marguerite Laurier. Her husband finds out, but before he can finalize a divorce, World War One rears its head and both sides of the family will endure great suffering in the conflict, especially since they must fight one another on the battlefield.',
  countries: [ 'USA' ],
  released: ISODate('1923-03-31T00:00:00.000Z'),
  directors: [ 'Rex Ingram' ],
  writers: [
    'Vicente Blasco Ib  ez (novel)',
    'Jules Mathis (written for the screen by)'
  ],
  awards: { wins: 1, nominations: 0, text: '1 win.' },
  lastupdated: '2015-08-24 00:59:30.430000000',
  year: 1921,
  imdb: { rating: 7.9, votes: 2475, id: 12190 },
  type: 'movie',
  tomatoes: {
    viewer: { rating: 3.9, numReviews: 507, meter: 76 },
    production: 'Metro Pictures Corporation',
    lastUpdated: ISODate('2015-07-28T18:34:16.000Z')
  }
}
]
Type "it" for more
Atlas atlas-x1mc4-shard-0 [primary] sample_mflix> 

```

## exercise 9: NOT

```
db.movies.find({rated: {$not : {$eq : 'TV-MA'}}} )
```

```
nation. Lilith then suddenly agrees to marry him, in order to give him courage. But after their first night together, both of them begin to feel differently about what they have planned
",
  countries: [ 'USA' ],
  released: ISODate('1924-04-04T00:00:00.000Z'),
  directors: [ 'Wallace Worsley' ],
  writers: [ 'Gouverneur Morris (by)', 'Ruth Wightman (scenario)' ],
  awards: { wins: 0, nominations: 2, text: '2 nominations.' },
  lastupdated: '2015-07-20 00:01:29.568000000',
  year: 1921,
  imdb: { rating: 7, votes: 798, id: 11904 },
  type: 'movie',
  tomatoes: {
    viewer: { rating: 3.5, numReviews: 377, meter: 68 },
    lastUpdated: ISODate('2015-04-28T19:29:23.000Z')
  },
  {
    _id: ObjectId('573a1391f29313caabcd70b4'),
    plot: 'An extended family split up in France and Germany find themselves on opposing sides of the battlefield during World War I.',
    genres: [ 'Drama', 'Romance', 'War' ],
    runtime: 156,
    rated: 'PASSED',
    cast: [
      'Pomeroy Cannon',
      'Josef Swickard',
      'Bridgetta Clark',
      'Rudolph Valentino'
    ],
    num_mflix_comments: 1,
    poster: 'https://m.media-amazon.com/images/M/MV5BOTU10DQYTCtODhkNy00YWRmLWE2YzYtMTQ5ZjA3OTNiN2QyXKfqGdeQXVYMzE0MjY5ODA@._V1_SV1000_SX677_AL_.jpg',
    title: 'The Four Horsemen of the Apocalypse',
    fullplot: 'Julio Madariaga is the Argentine patriarch of a wealthy family. He has two daughters, the elder wed to a Frenchman and the other to a German. He prefers the Frenchman and his family, especially his grandson Julio, causing jealousy from the German and his three sons. When Madariaga dies, the family splits up, each son-in-law returning to his own country. The Frenchman and his own move to Paris, where Julio becomes an artist and has an affair with an unhappily married woman, the lovely Marguerite Laurier. Her husband finds out, but before he can finalize a divorce, World War One rears its head and both sides of the family will endure great suffering in the conflict, especially since they must fight one another on the battlefield.',
    countries: [ 'USA' ],
    released: ISODate('1923-03-31T00:00:00.000Z'),
    directors: [ 'Rex Ingram' ],
    writers: [
      'Vicente Blasco Ib  ez (novel)',
      'June Mathis (written for the screen by)'
    ],
    awards: { wins: 1, nominations: 0, text: '1 win.' },
    lastupdated: '2015-08-24 00:59:30.430000000',
    year: 1921,
    imdb: { rating: 7.9, votes: 2475, id: 12190 },
    type: 'movie',
    tomatoes: {
      viewer: { rating: 3.9, numReviews: 507, meter: 76 },
      production: 'Metro Pictures Corporation',
      lastUpdated: ISODate('2015-07-28T18:34:16.000Z')
    }
  }
]
Type "it" for more
[ Bookmarked Mar 6, 2024 at 2:42:40 PM ]
```

## exercise 10: Exists

```
db.movies.find( { tomatoes : { $exists : true } } )
```

```

his family, especially his grandson Julio, causing jealousy from the German and his three sons. When Madariaga dies, the family splits up, each son-in-law returning to his own country. The Frenchman and his own move to Paris, where Julio becomes an artist and has an affair with an unhappily married woman, the lovely Marguerite Laurier. Her husband finds out, but before he can finalize a divorce, World War One rears its head and both sides of the family will endure great suffering in the conflict, especially since they must fight one another on the battlefield.'.
  countries: [ 'USA' ],
  released: ISODate('1923-03-31T00:00:00.000Z'),
  directors: [ 'Rex Ingram' ],
  writers: [
    'Vicente Blasco Ib  ez (novel)',
    'June Mathis (written for the screen by)'
  ],
  awards: { wins: 1, nominations: 0, text: '1 win.' },
  lastupdated: '2015-08-24 00:59:30.430000000',
  year: 1923,
  imdb: { rating: 7.9, votes: 2475, id: 12190 },
  type: 'movie',
  tomatoes: {
    viewer: { rating: 3.9, numReviews: 507, meter: 76 },
    production: 'Metro Pictures Corporation',
    lastUpdated: ISODate('2015-07-28T18:34:16.000Z')
  }
},
{
  _id: ObjectId('573a1391f29313caabcd71e3'),
  plot: 'William deMille produced and directed Miss Lulu Bett, a film of extraordinary conviction and insight. It was then often the custom for unmarried women to lodge with family; thus we discover ...',
  genres: [ 'Comedy', 'Drama' ],
  runtime: 71,
  cast: [
    'Lois Wilson',
    'Milton Sills',
    'Theodore Roberts',
    'Helen Ferguson'
  ],
  num_mflix_comments: 0,
  poster: 'https://m.media-amazon.com/images/M/MV5BMTY5MTY0MzY0Ml5BMl5BanBnXkFtZTgwNjE4NDAxMjE0._V1_SY1000_SX677_AL_.jpg',
  title: 'Miss Lulu Bett',
  fullplot: 'William deMille produced and directed Miss Lulu Bett, a film of extraordinary conviction and insight. It was then often the custom for unmarried women to lodge with family; thus we discover Miss Lulu in a boring Midwestern town, an exploited household drudge for her sister and her overbearing brother-in-law. In the course of the story (based upon the Pulitzer Prize play and novel by Zona Gale), Lulu evolves from slavery into an attractive and self-assured woman, prepared to make her own life. Revealed through wonderful performances and clever use of props, the characters are extraordinarily solid and involving.',
  countries: [ 'USA' ],
  released: ISODate('1921-11-01T00:00:00.000Z'),
  directors: [ 'William C. de Mille' ],
  writers: [ 'Clara Beranger (adaptation)', 'Zona Gale (novel)' ],
  awards: { wins: 1, nominations: 0, text: '1 win.' },
  lastupdated: '2015-08-21 00:15:46.140000000',
  year: 1921,
  imdb: { rating: 7.2, votes: 204, id: 12465 },
  type: 'movie',
  tomatoes: {
    viewer: { rating: 2.5, numReviews: 2 },
    lastUpdated: ISODate('2015-05-02T19:03:48.000Z')
  }
}
]
Type "it" for more
Atlas atlas-x1mcm4-shard-0 [primary] sample_mflix> c

```