

Tasca avaluable

CE_5074 1.1

Sistemas de Big Data

1.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.find( {year:1980} ).count()  
167
```

2.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.find( {countries: ["Spain"]} ).count()  
266
```

3.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.find({poster: {$exists: false}}).count()  
3305
```

4.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.distinct("genres")  
[  
  'Action',      'Adventure', 'Animation',  
  'Biography',   'Comedy',   'Crime',  
  'Documentary', 'Drama',    'Family',  
  'Fantasy',     'Film-Noir', 'History',  
  'Horror',      'Music',    'Musical',  
  'Mystery',     'News',     'Romance',  
  'Sci-Fi',      'Short',    'Sport',  
  'Talk-Show',   'Thriller', 'War',  
  'Western'  
]
```

5.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.find( {plot: {$regex: /war/i}} ).count()  
1505
```

6.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.find( {title: {$regex: /[0-9]$/}} ).count()  
405
```

7.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.find( {directors: ["Steven Spielberg"]}, {title:1, "imdb.rating":1, _id:0} ).sort({"imdb.rating":-1} ).limit(1)  
[ { title: "Schindler's List", imdb: { rating: 8.9 } } ]
```

8.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.find( {$and: [{cast: "Robert De Niro"}, {cast: "Al Pacino"}]}, {title:1, year:1, _id:0} ).sort( {year: -1} )  
[  
  { title: 'Righteous Kill', year: 2008 },  
  { year: 1995, title: 'Heat' },  
  { year: 1974, title: 'The Godfather: Part II' }  
]
```

9.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.find( {cast: "Tom Hanks", "imdb.rating": {$gte: 8},  
"awards.wins": {$gt: 22}}, {title:1, "imdb.rating":1, "awards.wins":1, _id:0} ).sort( {title: 1} )  
[  
  {  
    imdb: { rating: 8.8 },  
    title: 'Forrest Gump',  
    awards: { wins: 46 }  
  },  
  {  
    imdb: { rating: 8.6 },  
    title: 'Saving Private Ryan',  
    awards: { wins: 83 }  
  },  
  { imdb: { rating: 8.3 }, title: 'Toy Story', awards: { wins: 26 } },  
  { title: 'Toy Story 3', awards: { wins: 63 }, imdb: { rating: 8.4 } }  
]
```

10.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.insertOne( {title: "Oppenheimer", genres: ["History", "Biography"], directors: ["Christopher Nolan"], year: 2023} )  
{  
  acknowledged: true,  
  insertedId: ObjectId('670a7fddfef4644b4ec288e0')  
}
```

11.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.updateOne( {title: "Oppenheimer"}, {$set: {countries: ["USA"]
, runtime: 180, imdb: {rating: 8.3}} } )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

12.

```
Atlas atlas-4myfss-shard-0 [primary] sample_mflix> db.movies.deleteOne( {title: "Oppenheimer"} )
{ acknowledged: true, deletedCount: 1 }
```