```
Structure of 'restaurants' collection:
"address": {
"building": "1007",
"coord": [ -73.856077, 40.848447 ],
"street": "Morris Park Ave",
"zipcode": "10462"
},
"borough": "Bronx",
"cuisine": "Bakery",
"grades": [
{ "date": { "$date": 1393804800000 }, "grade": "A", "score": 2 },
{ "date": { "$date": 1378857600000 }, "grade": "A", "score": 6 },
{ "date": { "$date": 1358985600000 }, "grade": "A", "score": 10 },
{ "date": { "$date": 1322006400000 }, "grade": "A", "score": 9 },
{ "date": { "$date": 1299715200000 }, "grade": "B", "score": 14 }
],
"name": "Morris Park Bake Shop",
"restaurant_id": "30075445"
```

#### 230701520

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepare dishes except 'American' and 'Chinese' or restaurant's name begin with the letter 'Wil'.

db.restaurants.find({ \$or: [{ cuisine: { \$nin: ["American", "Chinees"] } },{ name: { \$regex: /^Wil/i } }]},{restaurant\_id: 1,name: 1,borough: 1,cuisine: 1,\_id: 0 });

```
>_MONOOSH

({
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_idi '30075445'
}
{
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_idi 30075445
}
{
    borough: 'Bronx',
    cuisine: 'Italian',
    name: 'Pasta Palace',
    restaurant_idi 30075446
}
{
    borough: 'Manhattan',
    cuisine: 'Chinese',
    name: 'Oragon Wok',
    restaurant_idi 30075447
}
```

#### 230701520

2. Write a MongoDB query to find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an ISODate "2014-08-11T00:00:00Z" among many survey dates..

db.restaurants.find({ grades: {\$elemMatch: {grade: "A", score: 11}}}},{restaurant\_id: 1,name: 1, grades: 1, \_id: 0 });

3. Write a MongoDB query to find the restaurant Id, name and grades for those restaurants where the 2nd element of grades array contains a grade of "A" and score 9 on an ISODate "2014-08-11T00:00:00Z".

```
db.restaurants.find({ "grades.1": {$elemMatch: {grade: "A",score: 9}}},{restaurant_id: 1, name: 1, grades: 1, _id: 0 });
```

4. Write a MongoDB query to find the restaurant Id, name, address and geographical location for those restaurants where 2nd element of coord array contains a value which is more than 42 and upto 52..

```
db.restaurants.find({ "address.coord.1": { $gt: 42, $lte: 52 }},{restaurant_id: 1,name: 1, address: 1, _id: 0 });
```

#### 230701520

5. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.

```
db.restaurants.find().sort({ name: 1 });
SAMPLE OUTPUT:-
{ _id: ObjectId('671b5e6d56ec9972ca8f5dc4'), address: { building: 5566, coord:
[-73.867377,40.854047], street: '28th Avenue', zipcode: 10490},
borough: 'Bronx', cuisine: 'BBQ', grades: [{ date: 2014-03-03T00:00:00.028Z, grade: 'A',
score: 10 },
{ date: 2013-09-11T00:00:00.028Z, grade: 'A', score: 7},
{ date: 2013-01-24T00:00:00.028Z, grade: 'A', score: 11},
{ date: 2011-11-23T00:00:00.028Z, grade: 'A', score: 9},
{ date: 2011-03-10T00:00:00.028Z, grade: 'B', score: 15}],
name: 'BBQ Haven', restaurant_id: 30075473 }
{ id: ObjectId('671b5dab56ec9972ca8f5db0'), address: { building: 5566, coord: [ -73.859377,
40.850047
street: '8th Avenue',
zipcode: 10470
borough: 'Manhattan',
cuisine: 'French',
grades: [
date: 2014-03-03T00:00:00.008Z,
grade: 'A',
score: 7
},
date: 2013-09-11T00:00:00.008Z,
grade: 'A',
score: 9
date: 2013-01-24T00:00:00.008Z,
grade: 'A',
score: 10
date: 2011-03-10T00:00:00.008Z,
grade: 'A',
score: 6
}], name: 'Bistro Belle',
restaurant id: 30075453
}
```

## 230701520

6. Write a MongoDB query to arrange the name of the restaurants in descending along with all the columns.

```
db.restaurants.find().sort({ name: -1 });
SAMPLE OUTPUT:-
_id: ObjectId('671b5e9456ec9972ca8f5dc8'),
address: {
building: 9900,
coord: [
-73.868977,
40.854847
street: '32nd Avenue',
zipcode: 10494
borough: 'Manhattan',
cuisine: 'Russian',
grades: [
date: 2014-03-03T00:00:00.032Z,
grade: 'A',
score: 10
},
date: 2013-09-11T00:00:00.032Z,
grade: 'B',
score: 5
},
date: 2013-01-24T00:00:00.032Z,
grade: 'A',
score: 9
date: 2011-11-23T00:00:00.032Z,
grade: 'A',
score: 8
},
date: 2011-03-10T00:00:00.032Z,
grade: 'A',
score: 11
], name: "Tsar's Table",
```

```
restaurant_id: 30075477
_id: ObjectId('671b5e6d56ec9972ca8f5dbe'),
address: {
building: 9900,
coord: [
-73.864977,
40.852847
],
street: '22nd Avenue',
zipcode: 10484
borough: 'Bronx',
cuisine: 'Italian',
grades: [
date: 2014-03-03T00:00:00.022Z,
grade: 'A',
score: 8
},
date: 2013-09-11T00:00:00.022Z,
grade: 'B',
score: 5
},
date: 2013-01-24T00:00:00.022Z,
grade: 'A',
score: 12
},
date: 2011-11-23T00:00:00.022Z,
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.022Z,
grade: 'A',
score: 14
], name: 'Trattoria Bella',
restaurant_id: 30075467
```

## 230701520

7. Write a MongoDB query to arrange the name of the cuisine in ascending order and for that the same cuisine borough should be in descending order.

```
db.restaurants.find().sort({ cuisine: 1, borough: -1 });
SAMPLE OUTPUT:-
_id: ObjectId('671b5d549d3d63480e0a64e9'),
address: {
building: 2233,
coord: [
-73.858177,
40.849447
street: '5th Avenue',
zipcode: 10467
borough: 'Bronx',
cuisine: 'American',
grades: [
date: 2014-03-03T00:00:00.005Z,
grade: 'A',
score: 10
},
date: 2013-09-11T00:00:00.005Z,
grade: 'A',
score: 6
},
date: 2013-01-24T00:00:00.005Z,
grade: 'B',
score: 12
date: 2011-11-23T00:00:00.005Z,
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.005Z,
grade: 'A',
score: 14
```

```
], name: 'Burger Bistro',
restaurant_id: 30075450
_id: ObjectId('671b5e6d56ec9972ca8f5dc4'),
address: {
building: 5566,
coord: [
-73.867377,
40.854047
street: '28th Avenue',
zipcode: 10490
borough: 'Bronx',
cuisine: 'BBQ',
grades: [
date: 2014-03-03T00:00:00.028Z,
grade: 'A',
score: 10
},
date: 2013-09-11T00:00:00.028Z,
grade: 'A',
score: 7
},
date: 2013-01-24T00:00:00.028Z,
grade: 'A',
score: 11
},
date: 2011-11-23T00:00:00.028Z,
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.028Z,
grade: 'B',
score: 15
], name: 'BBQ Haven',
restaurant_id: 30075473
```

## 230701520

8. Write a MongoDB query to know whether all the addresses contain the street or not.

db.restaurants.find({"address.street": { \$exists: false }});

9. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.

```
db.restaurants.find({ "address.coord": { $type: "double" }});
```

```
SAMPLE OUTPUT:-
_id: ObjectId('671b92d339ec8a9bc8b6588b'),
address: {
building: '1007',
coord: [
-73.856077,
40.848447
street: 'Morris Park Ave',
zipcode: '10462'
},
borough: 'Bronx',
cuisine: 'Bakery',
grades: [
date: 2014-03-03T00:00:00.000Z,
grade: 'A',
score: 2
},
```

```
date: 2013-09-11T00:00:00.000Z,
grade: 'A',
score: 6
},
date: 2013-01-24T00:00:00.000Z,
grade: 'A',
score: 10
},
date: 2011-11-23T00:00:00.000Z,
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.000Z,
grade: 'B',
score: 14
], name: 'Morris Park Bake Shop',
restaurant_id: '30075445'
_id: ObjectId('671b5d549d3d63480e0a64e5'),
address: {
building: 1234,
coord: [
-73.856577,
40.848647
],
street: '1st Avenue',
zipcode: 10463
},
borough: 'Bronx',
cuisine: 'Italian',
grades: [
date: 2014-03-03T00:00:00.001Z,
grade: 'A',
score: 5
},
date: 2013-09-11T00:00:00.001Z,
grade: 'A',
score: 8
},
```

```
date: 2013-01-24T00:00:00.001Z,
grade: 'B',
score: 12
date: 2011-11-23T00:00:00.001Z,
grade: 'A',
score: 7
},
date: 2011-03-10T00:00:00.001Z,
grade: 'A',
score: 15
], name: 'Pasta Palace',
restaurant id: 30075446
10. Write a MongoDB query which will select the restaurant Id, name and grades for those
restaurants which return 0 as a remainder after dividing the score by 7.
db.restaurants.find({"grades.score": { $mod: [7, 0] }},{restaurant_id: 1,name: 1,grades: 1,
_id: 0});
SAMPLE OUTPUT:-
grades: [
date: 2014-03-03T00:00:00.000Z,
grade: 'A',
score: 2
},
date: 2013-09-11T00:00:00.000Z,
grade: 'A',
score: 6
},
date: 2013-01-24T00:00:00.000Z,
grade: 'A',
score: 10
date: 2011-11-23T00:00:00.000Z,
```

```
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.000Z,
grade: 'B',
score: 14
], name: 'Morris Park Bake Shop',
restaurant_id: '30075445'
grades: [
date: 2014-03-03T00:00:00.001Z,
grade: 'A',
score: 5
date: 2013-09-11T00:00:00.001Z,
grade: 'A',
score: 8
},
date: 2013-01-24T00:00:00.001Z,
grade: 'B',
score: 12
},
date: 2011-11-23T00:00:00.001Z,
grade: 'A',
score: 7
},
date: 2011-03-10T00:00:00.001Z,
grade: 'A',
score: 15
], name: 'Pasta Palace',
restaurant_id: 30075446
```

#### 230701520

11. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and cuisine for those restaurants which contain 'mon' as three letters somewhere in its name.

```
db.restaurants.find({name: { $regex: /mon/i }},{name: 1, borough: 1,"address.coord.0": 1, "address.coord.1": 1, cuisine: 1, _id: 0});
```

12. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and cuisine for those restaurants which contain 'Mad' as the first three letters of its name.

```
db.restaurants.find({name: { $regex: /^Mad/i }},{name: 1,borough: 1,"address.coord.0": 1, "address.coord.1": 1, cuisine: 1,_id: 0});
```

13. Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5.

```
db.restaurants.find({"grades.score": { $lt: 5 }});
SAMPLE OUTPUT:-
_id: ObjectId('671b92d339ec8a9bc8b6588b'),
address: {
building: '1007',
coord: [
-73.856077,
40.848447
street: 'Morris Park Ave',
zipcode: '10462'
borough: 'Bronx',
cuisine: 'Bakery',
grades: [
date: 2014-03-03T00:00:00.000Z,
grade: 'A',
score: 2
},
date: 2013-09-11T00:00:00.000Z,
grade: 'A',
score: 6
},
date: 2013-01-24T00:00:00.000Z,
```

```
grade: 'A',
score: 10
date: 2011-11-23T00:00:00.000Z,
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.000Z,
grade: 'B',
score: 14
], name: 'Morris Park Bake Shop',
restaurant_id: '30075445'
_id: ObjectId('671b5d549d3d63480e0a64e6'),
address: {
building: 5678,
coord: [
-73.856977,
40.848847
],
street: '2nd Avenue',
zipcode: 10464
},
borough: 'Manhattan',
cuisine: 'Chinese',
grades: [
date: 2014-03-03T00:00:00.002Z,
grade: 'B',
score: 4
date: 2013-09-11T00:00:00.002Z,
grade: 'A',
score: 9
},
date: 2013-01-24T00:00:00.002Z,
grade: 'A',
score: 10
},
```

#### 230701520

```
date: 2011-11-23T00:00:00.002Z, grade: 'A', score: 8 }, {
    date: 2011-03-10T00:00:00.002Z, grade: 'B', score: 16 }
], name: 'Dragon Wok', restaurant_id: 30075447 }
```

14. Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5 and that are located in the borough of Manhattan.

db.restaurants.find({"grades.score": { \$lt: 5 },borough: "Manhattan"});

## 230701520

15. Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5 and that are located in the borough of Manhattan or Brooklyn.

db.restaurants.find({"grades.score": { \$lt: 5 },borough: { \$in: ["Manhattan", "Brooklyn"] }});

#### 230701520

16. Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5 and that are located in the borough of Manhattan or Brooklyn, and their cuisine is not American.

db.restaurants.find({"grades.score": { \$lt: 5 },borough: { \$in: ["Manhattan", "Brooklyn"]}, cuisine: { \$ne: "American" }});

17. Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5 and that are located in the borough of Manhattan or Brooklyn, and their cuisine is not American or Chinese.

```
db.restaurants.find({"grades.score": { $lt: 5 },borough: { $in: ["Manhattan", "Brooklyn"] },cuisine: { $nin: ["American", "Chinese"] }});
```

#### 230701520

score: 14

```
18. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a
grade with a score of 6.
db.restaurants.find({grades: {$all: [{ $elemMatch: { score: 2 } },{ $elemMatch: { score: 6 }
}]});
SAMPLE OUTPUT:-
_id: ObjectId('671b92d339ec8a9bc8b6588b'),
address: {
building: '1007',
coord: [
-73.856077,
40.848447
street: 'Morris Park Ave',
zipcode: '10462'
borough: 'Bronx',
cuisine: 'Bakery',
grades: [
date: 2014-03-03T00:00:00.000Z,
grade: 'A',
score: 2
},
date: 2013-09-11T00:00:00.000Z,
grade: 'A',
score: 6
},
date: 2013-01-24T00:00:00.000Z,
grade: 'A',
score: 10
},
date: 2011-11-23T00:00:00.000Z,
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.000Z,
grade: 'B',
```

```
], name: 'Morris Park Bake Shop',
restaurant_id: '30075445'
_id: ObjectId('671b5c5f9d3d63480e0a64e4'),
address: {
building: 1007,
coord: [
-73.856077,
40.848447
],
street: 'Morris Park Ave',
zipcode: 10462
},
borough: 'Bronx',
cuisine: 'Bakery',
grades: [
date: 2014-03-03T00:00:00.000Z,
grade: 'A',
score: 2
},
date: 2013-09-11T00:00:00.000Z,
grade: 'A',
score: 6
},
date: 2013-01-24T00:00:00.000Z,
grade: 'A',
score: 10
},
date: 2011-11-23T00:00:00.000Z,
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.000Z,
grade: 'B',
score: 14
], name: 'Morris Park Bake Shop',
restaurant_id: 30075445
```

#### 230701520

19. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6 and are located in the borough of Manhattan.

```
db.restaurants.find({borough: "Manhattan",grades: {$all: [{ $elemMatch: { score: 2 } },{ $elemMatch: { score: 6 }}]}});
```

20. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6 and are located in the borough of Manhattan or Brooklyn.

```
db.restaurants.find({borough: { $in: ["Manhattan", "Brooklyn"] },grades: {$all: [ { $elemMatch: { score: 2 } },{ $elemMatch: { score: 6 }}]}});
```

21. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6 and are located in the borough of Manhattan or Brooklyn, and their cuisine is not American.

```
db.restaurants.find({borough: { $in: ["Manhattan", "Brooklyn"] },grades: {$all: [{ $elemMatch: { score: 2 }},{ $elemMatch: { score: 6 }}]},cuisine: { $ne: "American" }});
```

22. Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6 and are located in the borough of Manhattan or Brooklyn, and their cuisine is not American or Chinese.

#### 230701520

23. Write a MongoDB query to find the restaurants that have a grade with a score of 2 or a grade with a score of 6.

```
db.restaurants.find({$or: [{ "grades.score": 2 },{ "grades.score": 6 }]});
SAMPLE OUTPUT:-
_id: ObjectId('671b5d549d3d63480e0a64e9'),
address: {
building: 2233,
coord: [
-73.858177,
40.849447
street: '5th Avenue',
zipcode: 10467
borough: 'Bronx',
cuisine: 'American',
grades: [
date: 2014-03-03T00:00:00.005Z,
grade: 'A',
score: 10
},
date: 2013-09-11T00:00:00.005Z,
grade: 'A',
score: 6
},
date: 2013-01-24T00:00:00.005Z,
grade: 'B',
score: 12
},
date: 2011-11-23T00:00:00.005Z,
grade: 'A',
score: 9
},
date: 2011-03-10T00:00:00.005Z,
grade: 'A',
score: 14
```

```
], name: 'Burger Bistro',
restaurant_id: 30075450
_id: ObjectId('671b5dab56ec9972ca8f5daf'),
address: {
building: 4455,
coord: [
-73.858977,
40.849847
],
street: '7th Avenue',
zipcode: 10469
},
borough: 'Bronx',
cuisine: 'Thai',
grades: [
date: 2014-03-03T00:00:00.007Z,
grade: 'A',
score: 9
},
date: 2013-09-11T00:00:00.007Z,
grade: 'B',
score: 6
},
date: 2013-01-24T00:00:00.007Z,
grade: 'A',
score: 12
},
date: 2011-11-23T00:00:00.007Z,
grade: 'A',
score: 8
},
date: 2011-03-10T00:00:00.007Z,
grade: 'B',
score: 14
], name: 'Thai Delight',
restaurant_id: 30075452
```

```
Sample document of 'movies' collection
_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/MV5BMTU3NjE5NzYtYTYvNS00MDVmLWIwYjgtMmYwYWIxZ
DYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI@._V1_SY1000_SX677_AL_.jpg',
title: 'The Great Train Robbery',
full plot: "Among the earliest existing films in American cinema - notable as the first film that
presented a narrative story to tell - it depicts a group of cowboy outlaws who hold up a train
rob the passengers. They are then pursued by a Sheriff's posse. Several scenes have color
included - all hand tinted.",
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',
vear: 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")
}
```

#### 230701520

1. Find all movies with full information from the 'movies' collection that released in the year 1893. db.movies.find({ year: 1893 }); 2. Find all movies with full information from the 'movies' collection that have a runtime greater than 120 minutes. db.movies.find({ runtime: { \$gt: 120 } }); **SAMPLE OUTPUT:-**\_id: ObjectId('573a1390f29313caabcd42ec'), plot: 'An astronaut stranded on Mars must survive alone.', genres: [ 'Sci-Fi', 'Drama' 1. runtime: 135, cast: [ 'Matt Damon', 'Jessica Chastain' ], poster: 'https://m.media-amazon.com/images/poster4.jpg', title: 'Mars Alone', fullplot: 'An astronaut, left alone on Mars, struggles to survive with limited resources while awaiting rescue.', languages: [ 'English' released: 2015-10-02T00:00:00.000Z, directors: [ 'Ridley Scott' rated: 'PG-13', awards: { wins: 8, nominations: 6, text: '8 wins & 6 nominations.' lastupdated: '2021-08-09 17:22:30.000000000', year: 2015, imdb: { rating: 8, votes: 25650,

```
id: 443
},
countries: [
'USA'
type: 'movie',
tomatoes: {
viewer: {
rating: 4.5,
numReviews: 2201,
meter: 93
},
fresh: 18,
critic: {
rating: 8.5,
numReviews: 25,
meter: 96
},
rotten: 1,
lastUpdated: 2021-07-19T21:20:55.000Z
}
```

#### 230701520

3. Find all movies with full information from the 'movies' collection that have the "Short" genre. db.movies.find({ genres: "Short" }); **SAMPLE OUTPUT:**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/MV5BMTU3NjE5NzYtYTYyNS 00 MDV mLWIwYjgt MmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI@.\_V1\_SY1000\_SX677\_AL\_.jpg', title: 'The Great Train Robbery', fullplot: "Among the earliest existing films in American cinema notable as the first film that presented a narrative story to tell - it depicts a group of cowboy outlaws who hold up a train and rob the passengers. They are then pursued by a Sheriff's posse. Several scenes have color included - all hand tinted.", languages: [ 'English' released: 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,

## 230701520

```
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: 2015-08-08T19:16:10.000Z
}
```

4. Retrieve all movies from the 'movies' collection that were directed by "William K.L. Dickson" and include complete information for each movie.

```
db.movies.find({ directors: "William K.L. Dickson" });
```

#### 230701520

6. Retrieve all movies from the 'movies' collection that were released in the USA and include complete information for each movie.

db.movies.find({ countries: "USA" });

```
_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/MVSBMTU3NjESNZYtYTYyNS00MDVmLWIwYjgtMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzIQ._V1_SY1000_
title: 'The Great Train Robbery',
fullplot: "Among the earliest existing films in American cinema - notable as the first film that presented a narrative story to tell - it
languages: [
    'English'
],
    released: 1903-12-01700:00:00.000Z,
directors: [
```

7. Retrieve all movies from the 'movies' collection that have complete information and are rated as "UNRATED".

db.movies.find({ rated: "UNRATED" });

#### 230701520

8. Retrieve all movies from the 'movies' collection that have complete information and have received more than 1000 votes on IMDb.

db.movies.find({ "imdb.votes": { \$gt: 1000 } });

#### 230701520

9. Retrieve all movies from the 'movies' collection that have complete information and have an IMDb rating higher than 7.

db.movies.find({ "imdb.rating": { \$gt: 7 } });

## 230701520

10. Retrieve all movies from the 'movies' collection that have complete information and have a viewer rating higher than 4 on Tomatoes.

db.movies.find({ "tomatoes.viewer.rating": { \$gt: 4 } });

## 230701520

11. Retrieve all movies from the 'movies' collection that have received an award.

db.movies.find({ "awards.wins": { \$gt: 0 } });

#### 230701520

12. Find all movies with title, languages, released, directors, writers, awards, year, genres, runtime, cast, countries from the 'movies' collection in MongoDB that have at least one nomination.

db.movies.find({ "awards.nominations": { \$gt: 0 }},{title: 1,languages: 1,released: 1, directors: 1, writers: 1,awards: 1,year: 1,genres: 1,runtime: 1,cast: 1,countries: 1});

13. Find all movies with title, languages, released, directors, writers, awards, year, genres, runtime, cast, countries from the 'movies' collection in MongoDB with cast including "Charles Kayser".

db.movies.find({ cast: "Charles Kayser" },{title: 1,languages: 1,released: 1,directors: 1,writers: 1,awards: 1,year: 1,genres: 1,runtime: 1,cast: 1,countries: 1});

## 230701520

14. Retrieve all movies with title, languages, released, directors, writers, countries from the 'movies' collection in MongoDB that was released on May 9, 1893.

```
db.movies.find({ released: ISODate("1893-05-09T00:00:00Z") },{title: 1,languages: 1,released: 1,directors: 1,writers: 1,countries: 1});
```

15. Retrieve all movies with title, languages, released, directors, writers, countries from the 'movies' collection in MongoDB that have the word "scene" in the title.

```
db.movies.find(
{ title: { $regex: /scene/i } },{title: 1,languages: 1,released: 1,directors: 1,writers: 1, countries: 1});
```