Ex.No.: 14		MONGO DB
Date:	18/10/2024	MONGO DB

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinees' or restaurant's name begins with letter 'Wil'.

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 of survey dates..

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".

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 }
);
```

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 });
```

```
{
    __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

REGISTER NO:231501502
```

```
},
    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',
REGISTER NO:231501502
```

```
score: 10
},
{
date: 2011-11-23T00:00:00.008Z,
grade: 'B',
score: 15
},
{
date: 2011-03-10T00:00:00.008Z,
grade: 'A',
score: 6
}
],
name: 'Bistro Belle',
restaurant_id: 30075453
}
```

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
REGISTER NO:231501502
```

```
},
{
date: 2011-03-10T00:00:00.022Z,
grade: 'A',
score: 14
}

l,
name: 'Trattoria Bella',
restaurant_id: 30075467
}
```

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

```
db.restaurants.find().sort({ cuisine: 1, borough: -1 });
```

```
_id: ObjectId('671b5d549d3d63480e0a64e9'), address: { building: 2233, coord: [ -73.858177,
    40.849447
    1,
    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
REGISTER NO:231501502
```

```
},
    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 }
REGISTER NO:231501502
```

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

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
    },
REGISTER NO:231501502
```

```
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 returns 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
}
);
```

```
{
    grades: [
    {
        date: 2014-03-03T00:00:00.000Z,
        grade: 'A',
        score: 2
    },
    {
        date: 2013-09-11T00:00:00.000Z,
        grade: 'A',
        score: 6

REGISTER NO :231501502
```

```
},
    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,
REGISTER NO:231501502
```

```
grade: 'A',
score: 15
}
],
name: 'Pasta Palace', restaurant_id: 30075446
}
```

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

```
db.restaurants.find(
{
    name: { $regex: /mon/i }
},
{
    name: 1, borough: 1,
    "address.coord.0": 1, // Longitude "address.coord.1": 1, // Latitude 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 first three letters of its name.

```
db.restaurants.find(
{
    name: { $regex: /^Mad/i }
},
{
    name: 1, borough: 1,
    "address.coord.0": 1, // Longitude "address.coord.1": 1, // Latitude 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'),
 REGISTER NO:231501502
```

```
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
},
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"
}
);
```

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.

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"] }
}
}
```

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: [
     { SelemMatch: { 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
 REGISTER NO: 231501502
```

```
},
    date: 2011-03-10T00:00:00.000Z,
    grade: 'B',
    score: 14
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
    _id: ObjectId('671b5c5f9d3d63480e0a64e4'), address: { building: 1007, coord: [ -73.856077,
    40.848447
    1,
    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
REGISTER NO:231501502
```

```
name: 'Morris Park Bake Shop', restaurant_id: 30075445
}
```

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.

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.

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 or Chinese.

```
db.restaurants.find(
{
borough: { Sin: ["Manhattan", "Brooklyn"] }, grades: {
    Sall: [
    { SelemMatch: { score: 2 } },
    { SelemMatch: { score: 6 } }
]
},
cuisine: { Snin: ["American", "Chinese"] }
});
```

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.

```
{
    __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',
    REGISTER NO :231501502
```

```
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
  1,
  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
REGISTER NO: 231501502
```

```
{
    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
}
```

#### **MOVIES COLLECTION**

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'
    |,
    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
3. Find all movies with full information from the 'movies' collection that have "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'
      1,
      runtime: 11, cast: [
      'A.C. Abadie',
      "Gilbert M. 'Broncho Billy' Anderson",
       'George Barnes',
       'Justus D. Barnes'
      poster: 'https://m.media-
      amazon.com/images/M/MV5BMTU3NjE5NzYtYTYyNS00MDVmLWIwYjg
 REGISTER NO: 231501502
```

```
tMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI@. V1 SY1
000_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, 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" });
```

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" });
```

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

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

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 } });
```

```
_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/MVSBMTU3NjESNzYtYTYyNS00MDVmLWIwYjgtMmYwYNIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzIQ._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 - i
languages: [
    'English'
],
    released: 1903-12-01T00:00:00.000Z,
directors: [
    'Edwin S. Porter'
],
```

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 } });

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 } });

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

<{
    _id: ObjectId('573a1399f29313caabcd42ea'),
    plot: 'A chef tries to open a restaurant amidst a series of challenges.',
    genres: {
        'Drama',
        'Comedy'
    },
    runtime: 120,
    cast: {
        'Emma Stone',
        'Chris Pratt',
        'Anna Kendrick'
    },
    poster: 'https://m.media-amazon.com/images/poster2.jpg',
    title: 'The Cultinary Dream',
    fullplot: "A chef's journey to make his dream restaurant come true, overcoming family and financial obstacles.",
    languages: {
        'English',
        'French'
    },
        released: 2015-02-12T00:00:00.0002,
        directors: {
        'Samantha Jones'
        },
        rated: 'PG-13',
        awards: {
        vins: 1,
        }
</pre>
```

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

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

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 });
```

```
...MONGOSH

('
- id: ObjectId('573a1390f29313canbcd42e9'),
genres: [
    'Adventure',
    'Fantasy'
    ],
    runtime: 95,
    cast: [
    'Ethan Hawke',
    'Jane Doe',
    'Mark Strong'
    ],
    title: 'The Amulet Quest',
    language: [
    'English'
    ],
    released: 2008-07-15T00:00:00.000Z,
    directors: [
    'John Smith'
    ],
    awards: {
        wins: 2,
        nominations: 1,
        text: '2 wins & 1 nomination.'
    ),
    year: 2008,
    countries: [
    'Usa'
```

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
}
);
```

14. Retrieve all movies with title, languages, released, directors, writers, countries from the 'movies' collection in MongoDB that 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
}
);
```

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

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