Ex.No.: 14	
Date : 26/09/2024	MONGO DB

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

```
>_MONGOSH

{
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
}

{
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: 30075445
}

{
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: 30075445
}

{
    borough: 'Bronx',
    cuisine: 'Italian',
    name: 'Pasta Palace',
    restaurant_id: 30075446
}

{
    borough: 'Manhattan',
    cuisine: 'Chinese',
    name: 'Dragon Wok',
    restaurant_id: 30075447
}

}
```

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".

```
{
    "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 ld, 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..

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:
   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: 2011-11-23T00:00:00.008Z,
  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',
            'Russian',
 cuisine:
 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
```

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 });

SAMPLE OUTPUT:-

{
   _id: Objectld('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:
```

```
},
{
    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
```

8. Write a MongoDB query to know whether all the addresses contains 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
```

}

db.restaurants.find(

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.

```
"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:
 },
  date: 2011-03-10T00:00:00.001Z,
  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'),
 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.

```
db.restaurants.find(
    {
      "grades.score": { $lt: 5 }, borough: { $in:
      ["Manhattan", "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" }
    }
}
```

```
_id: ObjectId('671b5d5d9d3d83480e0s64e0'),
address: {
    buitding: 5678,
    coord: [
        -73.856977,
        40.848847
        ],
    street: '2nd Avenue',
    zipcode: 19464
    },
    borough: 'Manhattan',
    cuisine: 'Chinese',
    grades: [
        [
            date: 2014-03-03100:00:00.0022,
            grades: 18',
            score: 4
        },
        (
            date: 2013-09-11700:00:00.0022,
        grades: 'A',
            score: 9
        },
        (
            date: 2013-01-24700:00:00.0022,
        grade: 'A',
            score: 10
        },
        (
            date: 2013-01-24700:00:00.0022,
            grade: 'A',
            score: 10
        },
        (
            date: 2013-01-24700:00:00.0022,
            grade: 'A',
            score: 10
        },
        (
            date: 2013-01-24700:00:00.0022,
            grade: 'A',
            score: 10
```

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.

```
);
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('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
```

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.

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: [
```

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.

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.

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
```

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'
 1.
 poster: 'https://m.media-amazon.com/images/poster4.jpg',
 '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'
 1,
 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'
 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
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'
1,
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 } });
```

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 } });

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
    }
);
```

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
    }
);
```