Given a sample document of 'movie' collection.   **Version: A**

```
{
    _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/MV5BMTU3NjE5NzYtYTYyNS00MDVmLWIwYjgtMmYwYW
IxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI@._V1_SY1000_SX677_AL_.jp
g',
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: 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")
    }
.....
```

Inserted Movies

Movie-1

```
training> var movieDocument = {
...     _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/MV5BMTU3NjE5NzYtYTYyNS00MDVmLWIwYjgtMmYwYWYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI0._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: 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")
...     }
... };

training> db.movies.insertOne(movieDocument);
{
  acknowledged: true,
  insertedId: ObjectId("573a1390f29313caabcd42e8")
}
```

Movie-2

```
training> var myMovieDocument = {
...     _id: ObjectId("573a1390f29313caabcd42e9"),
...     plot: "A brilliant scientist invents a time machine, leading to unexpected consequences and adventures.",
...     genres: ["Science Fiction", "Adventure"],
...     runtime: 120,
...     cast: [
...         "John Scientist",
...         "Jane Explorer",
...         "Michael Sidekick",
...         "Emily Villain"
...     ],
...     poster: "https://example.com/movie-poster.jpg",
...     title: "Time Warp Chronicles",
...     fullplot: "In the pursuit of knowledge, Dr. Smith creates a groundbreaking time machine. However, when his invention falls into the wrong hands, the fabric of time is at stake. Join our heroes on a thrilling journey through the ages.",
...     languages: ["English"],
...     released: ISODate("2022-05-15T00:00:00.000Z"),
...     directors: ["Alicia Director"],
...     rated: "PG",
...     awards: { wins: 3, nominations: 2, text: "3 wins, 2 nominations" },
...     lastupdated: '2023-11-30 12:00:00.000000000',
...     year: 2022,
...     imdb: { rating: 8.5, votes: 15000, id: 12345 },
...     countries: ["USA", "United Kingdom"],
...     type: "movie",
...     tomatoes: {
...         viewer: { rating: 4.2, numReviews: 1200, meter: 88 },
...         fresh: 12,
...         critic: { rating: 8.0, numReviews: 10, meter: 95 },
...         rotten: 0,
...         lastUpdated: ISODate("2023-11-30T12:00:00.000Z")
...     }
... };

training> db.movies.insertOne(myMovieDocument1);
{
  acknowledged: true,
  insertedId: ObjectId("573a1390f29313caabcd42e9")
}
```

Movie-3

```
training> var anotherMovie1 = {
...     _id: ObjectId("573a1390f29313caabcd42ea"),
...     plot: "A heartwarming tale of friendship and adventure as a group of misfit creatures embarks on a journey to save their magical land from an ancient evil.",
...     genres: ["Animation", "Fantasy", "Adventure"],
...     runtime: 95,
...     cast: [
...         "Oliver Owl",
...         "Mia Mouse",
...         "Leo Lizard",
...         "Fiona Fox"
...     ],
...     poster: "https://example.com/another-movie1-poster.jpg",
...     title: "The Enchanted Quest",
...     fullplot: "In a world filled with wonder and danger, our unlikely heroes must overcome their differences and work together to overcome the darkness that threatens to consume their enchanted realm.",
...     languages: ["English"],
...     released: ISODate("2021-08-20T00:00:00.000Z"),
...     directors: ["Elijah Enchantor"],
...     rated: "PG",
...     awards: { wins: 2, nominations: 1, text: "2 wins, 1 nomination" },
...     lastupdated: '2023-11-30 14:00:00.000000000',
...     year: 1893,
...     imdb: { rating: 7.9, votes: 8000, id: 6789 },
...     countries: ["Canada", "Australia"],
...     type: "movie",
...     tomatoes: {
...         viewer: { rating: 4.5, numReviews: 1500, meter: 92 },
...         fresh: 18,
...         critic: { rating: 8.2, numReviews: 12, meter: 98 },
...         rotten: 0,
...         lastUpdated: ISODate("2023-11-30T14:30:00.000Z")
...     }
... };

training> db.movies.insertOne(anotherMovie1);
{
  acknowledged: true,
  insertedId: ObjectId("573a1390f29313caabcd42ea")
}
```

```
training> var anotherMovie2 = {
...     _id: ObjectId("573a1390f29313caabcd42eb"),
...     plot: "A gripping psychological thriller that explores the blurred lines between reality and imagination as a detective unravels a mysterious series of murders.",
...     genres: ["Mystery", "Thriller", "Drama"],
...     runtime: 110,
...     cast: [
...         "Detective Alex Miller",
...         "Emma Psychologist",
...         "Richard Suspicious Neighbor",
...         "Sarah Victim"
...     ],
...     poster: "https://example.com/another-movie2-poster.jpg",
...     title: "Shadows of Deceit",
...     fullplot: "As bodies pile up and secrets come to light, Detective Miller must confront his own demons to solve the case. The journey into the shadows is dark and unsettling, revealing the fragile nature of the human mind.",
...     languages: ["English"],
...     released: ISODate("2020-03-10T00:00:00.000Z"),
...     directors: ["Victoria Vortex"],
...     rated: "R",
...     awards: { wins: 5, nominations: 3, text: "5 wins, 3 nominations" },
...     lastupdated: '2023-11-30 16:00:00.000000000',
...     year: 1893,
...     imdb: { rating: 8.1, votes: 12000, id: 5678 },
...     countries: ["USA"],
...     type: "movie",
...     tomatoes: {
...         viewer: { rating: 4.7, numReviews: 2000, meter: 87 },
...         fresh: 15,
...         critic: { rating: 8.5, numReviews: 15, meter: 96 },
...         rotten: 0,
...         lastUpdated: ISODate("2023-11-30T16:30:00.000Z")
...     }
... };

training> db.movies.insertOne(anotherMovie2);
{
  acknowledged: true,
  insertedId: ObjectId("573a1390f29313caabcd42eb")
}
```

1. Find all movies with full information from the 'movies' collection that released in the year 1893.

```
training> db.movies.find({ year: 1893 })
[
  {
    _id: ObjectId("573a1390f29313caabcd42ea"),
    plot: 'A heartwarming tale of friendship and adventure as a group of misfit creatures embarks on a journey to save their magical land from an ancient evil.',
    genres: [ 'Animation', 'Fantasy', 'Adventure' ],
    runtime: 96,
    cast: [ 'Oliver Owl', 'Mia Mouse', 'Leo Lizard', 'Fiona Fox' ],
    poster: 'https://example.com/another-movie1-poster.jpg',
    title: 'The Enchanted Quest',
    fullplot: 'In a world filled with wonder and danger, our unlikely heroes must overcome their differences and work together to overcome the darkness that threatens to consume their enchanted realm.',
    languages: [ 'English' ],
    released: ISODate("2021-08-20T00:00:00.000Z"),
    directors: [ 'Elijah Enchantor' ],
    rated: 'PG',
    awards: { wins: 2, nominations: 1, text: '2 wins, 1 nomination' },
    lastupdated: '2023-11-30 14:00:00.000000000',
    year: 1893,
    imdb: { rating: 7.9, votes: 8000, id: 6789 },
    countries: [ 'Canada', 'Australia' ],
    type: 'movie',
    tomatoes: {
      viewer: { rating: 4.5, numReviews: 1500, meter: 92 },
      fresh: 10,
      critic: { rating: 8.2, numReviews: 12, meter: 90 },
      rotten: 0,
      lastUpdated: ISODate("2023-11-30T14:30:00.000Z")
    }
  },
  {
    _id: ObjectId("573a1390f29313caabcd42eb"),
    plot: 'A gripping psychological thriller that explores the blurred lines between reality and imagination as a detective unravels a mysterious series of murders.',
    genres: [ 'Mystery', 'Thriller', 'Drama' ],
    runtime: 110,
    cast: [
      'Detective Alex Miller',
      'Emma Psychologist',
      'Richard Suspicious Neighbor',
      'Sarah Victim'
    ],
    poster: 'https://example.com/another-movie2-poster.jpg',
    title: 'Shadows of Deceit',
    fullplot: 'As bodies pile up and secrets come to light, Detective Miller must confront his own demons to solve the case. The journey into the shadows is dark and unsettling, revealing the fragile nature of the human mind.',
    languages: [ 'English' ],
    released: ISODate("2020-03-10T00:00:00.000Z"),
    directors: [ 'Victoria Vortex' ],
    rated: 'R',
    awards: { wins: 5, nominations: 3, text: '5 wins, 3 nominations' },
    lastupdated: '2023-11-30 16:00:00.000000000',
    year: 1893,
    imdb: { rating: 8.1, votes: 12000, id: 5678 },
    countries: [ 'USA' ],
    type: 'movie',
    tomatoes: {
      viewer: { rating: 4.7, numReviews: 2000, meter: 87 },
      fresh: 15,
      critic: { rating: 8.5, numReviews: 15, meter: 96 },
      rotten: 0,
      lastUpdated: ISODate("2023-11-30T16:30:00.000Z")
    }
  }
]
```

2. Find all movies with full information from the 'movies' collection that have a runtime greater than 120 minutes

```
training> db.movies.find({ runtime: { $gt: 120 } })
[
  {
    _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: 130,
    cast: [
      'A.C. Abadie',
      "Gilbert M. 'Broncho Billy' Anderson",
      'George Barnes',
      'Justus D. Barnes'
    ],
    poster: 'https://m.media-amazon.com/images/M/MV5BMTU3NjE5NzYtYTYyN500MDVmLWIwYjgtMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI0._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: 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")
    }
  }
]
```

3. Find all movies with full information from the 'movies' collection that have "Short" genre.

```
[training> db.movies.find({ genres: "Short" })
[
  {
    _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: 130,
    cast: [
      'A.C. Abadie',
      "Gilbert M. 'Broncho Billy' Anderson",
      'George Barnes',
      'Justus D. Barnes'
    ],
    poster: 'https://m.media-amazon.com/images/M/MV5BMTU3NjE5NzYtYTYyNS00MDVmLWIwYjgtMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI0._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: 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")
    }
  }
]  . . .
```

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

```
[training> db.movies.find({ directors: "William K.L. Dickson" })
[
  {
    _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: 130,
    cast: [
      'A.C. Abadie',
      "Gilbert M. 'Broncho Billy' Anderson",
      'George Barnes',
      'Justus D. Barnes'
    ],
    poster: 'https://m.media-amazon.com/images/M/MV5BMTU3NjE5NzYtYTYyNS00MDVmLWIwYjgtMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI0._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: ISODate("1903-12-01T00:00:00.000Z"),
    directors: [ 'William K.L. Dickson' ],
    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")
    }
  }
]  . . .
```

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

```
[training> var unratedMovies = db.movies.find({ rated: "UNRATED" });

training> unratedMovies.forEach(function(movie) {
...     printjson(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: 130,
  cast: [
    'A.C. Abadie',
    "Gilbert M. 'Broncho Billy' Anderson",
    'George Barnes',
    'Justus D. Barnes'
  ],
  poster: 'https://m.media-amazon.com/images/M/MV5BMTU3NjE5NzYtYTYyNS00MDVmLWIwYjgtMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI0._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: ISODate("1903-12-01T00:00:00.000Z"),
  directors: [
    'William K.L. Dickson'
  ],
  rated: 'UNRATED',
  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")
```

```
[training> db.movies.find({ rated: "UNRATED" });
[
  {
    _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: 130,
    cast: [
      'A.C. Abadie',
      "Gilbert M. 'Broncho Billy' Anderson",
      'George Barnes',
      'Justus D. Barnes'
    ],
    poster: 'https://m.media-amazon.com/images/M/MV5BMTU3NjE5NzYtYTYyNS00MDVmLWIwYjgtMmYwYWIxZDYyNzU2XkEyXkFqcGdeQXVyNzQzNzQxNzI@._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 She
riff's posse. Several scenes have color included - all hand tinted.",
    languages: [ 'English' ],
    released: ISODate("1903-12-01T00:00:00.000Z"),
    directors: [ 'William K.L. Dickson' ],
    rated: 'UNRATED',
    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")
    }
  },
  {
    _id: ObjectId("573a1390f29313caabcd42ea"),
    plot: 'A heartwarming tale of friendship and adventure as a group of misfit creatures embarks on a journey to save their magical land from an ancient evil.',
    genres: [ 'Animation', 'Fantasy', 'Adventure' ],
    runtime: 95,
    cast: [ 'Oliver Owl', 'Mia Mouse', 'Leo Lizard', 'Fiona Fox' ],
    poster: 'https://example.com/another-movie1-poster.jpg',
    title: 'The Enchanted Quest',
    fullplot: 'In a world filled with wonder and danger, our unlikely heroes must overcome their differences and work together to overcome the darkness that threatens to consume their enchanted realm.',
    languages: [ 'English' ],
    released: ISODate("2021-08-20T00:00:00.000Z"),
    directors: [ 'Elijah Enchantor' ],
    rated: 'UNRATED',
    awards: { wins: 2, nominations: 1, text: '2 wins, 1 nomination' },
    lastupdated: '2023-11-30 14:00:00.000000000',
    year: 1893,
    imdb: { rating: 7.9, votes: 8000, id: 6789 },
    countries: [ 'Canada', 'Australia' ],
    type: 'movie',
    tomatoes: {
      viewer: { rating: 4.5, numReviews: 1500, meter: 92 },
      fresh: 18,
      critic: { rating: 8.2, numReviews: 12, meter: 98 },
      rotten: 0,
      lastUpdated: ISODate("2023-11-30T14:30:00.000Z")
    }
  }
]
```