

Create collection Movies and Insert data.

```
▶ {
  _id: ObjectId('67b2c1d8864a0d3c4f61ee43')
  movie_id: 1
  title: "Avengers"
  genre: "Sci-Fi"
  release_yr: 2011
  duration: 148
  ratings: "4.8"
  actors: Array (3)
    0: "Leonardo DiCaprio"
    1: "Joseph Gordon-Levitt"
    2: "Elliot Page"
}
```

```
{
  _id: ObjectId('67b2c222864a0d3c4f61ee44')
  movie_id: 2
  title: "Iron Man"
  genre: "Sci-Fi"
  release_yr: 2011
  duration: 148
  ratings: "4.8"
  actors: Array (2)
    0: "Leonardo DiCaprio"
    1: "Joseph Gordon-Levitt"
}
```



```
_id: ObjectId('67dcf23e42dcf9acc7e86221')
movie_id: "3"
title: "Inception"
genre: "Sci-Fi"
release_year: 2015
duration: 200
ratings: 4
▼ actors: Array (2)
  0: "Leonardo DiCaprio"
  1: "Elliot Page"
```

```
_id: ObjectId('67dcf23e42dcf9acc7e86222')
movie_id: "4"
title: "Frozen"
genre: "Animation"
release_year: 2013
duration: 120
ratings: 5
▼ actors: Array (3)
  0: "Kristen Bell"
  1: "Idina Menzel "
  2: "Elsa"
```



```
_id: ObjectId('67dcf3d942dcf9acc7e86223')
movie_id: "5"
title: "Ice Age"
genre: "Animation"
release_year: 2002
duration: 100
ratings: 5
▼ actors: Array (3)
  0: "Sid"
  1: "Manny"
  2: "Dab"
```

```
_id: ObjectId('67dcf3d942dcf9acc7e86224')
movie_id: "6"
title: "Harry Potter"
genre: "Novel Series"
release_year: 2001
duration: 120
ratings: 4.5
▼ actors: Array (3)
  0: "Harry Potter"
  1: "Ron Weasley"
  2: "Hermione Granger"
```

```
▶ {
  _id: ObjectId('67dcf65c42dcf9acc7e86225')
  movie_id: "7"
  title: "Harry Potter Part-2"
  genre: "Novel Series"
  release_year: 2002
  duration: 120
  ratings: 5
  actors: Array (2)
    0: "Hermione Granger"
    1: "Ron Weasley"
}
```

```
{
  _id: ObjectId('67dcf65c42dcf9acc7e86226')
  movie_id: "8"
  title: "Harry Potter Part-3"
  genre: "Novel Series"
  release_year: 2003
  duration: 120
  ratings: 4.5
  actors: Array (3)
    0: "Harry Potter"
    1: "Ron Weasley"
    2: "Hermione Granger"
}
```

Queries:

1. Find all movies with full information from the 'movies' collection that released in the year 2001.

```
> db.movies.find({ release_year: 2001 })
< {
  _id: ObjectId('67dcf3d942dcf9acc7e86224'),
  movie_id: '6',
  title: 'Harry Potter',
  genre: 'Novel Series',
  release_year: 2001,
  duration: 120,
  ratings: 4.5,
  actors: [
    'Harry Potter',
    'Ron Weasley',
    'Hermione Granger'
  ]
}
```

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

```
> db.movies.find({ "duration": { $gt: 120 } })
< {
  _id: ObjectId('67b2c1d8864a0d3c4f61ee43'),
  movie_id: 1,
  title: 'Avengers',
  genre: 'Sci-Fi',
  release_yr: 2011,
  duration: 148,
  ratings: '4.8',
  actors: [
    'Leonardo DiCaprio',
    'Joseph Gordon-Levitt',
    'Elliot Page'
  ]
}
{
  _id: ObjectId('67b2c222864a0d3c4f61ee44'),
  movie_id: 2,
  title: 'Iron Man',
  genre: 'Sci-Fi',
  release_yr: 2011,
  duration: 148,
  ratings: '4.8',
  actors: [
    'Leonardo DiCaprio',
    'Joseph Gordon-Levitt'
  ]
}
```

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

```
> db.movies.find({ "genre": "Animation" })
< {
  _id: ObjectId('67dcf23e42dcf9acc7e86222'),
  movie_id: '4',
  title: 'Frozen',
  genre: 'Animation',
  release_year: 2013,
  duration: 120,
  ratings: 5,
  actors: [
    'Kristen Bell',
    'Idina Menzel ',
    'Elsa'
  ]
}
{
  _id: ObjectId('67dcf3d942dcf9acc7e86223'),
  movie_id: '5',
  title: 'Ice Age',
  genre: 'Animation',
  release_year: 2002,
  duration: 100,
  ratings: 5,
  actors: [
    'Sid',
    'Manny',
    'Dab'
  ]
}
```

4. Retrieve all movies from the 'movies' collection that have complete information and have an rating higher than 4.5.

```
> db.movies.find({ "ratings": { $gt: 4.5 } })
< {
  _id: ObjectId('67dcf23e42dcf9acc7e86222'),
  movie_id: '4',
  title: 'Frozen',
  genre: 'Animation',
  release_year: 2013,
  duration: 120,
  ratings: 5,
  actors: [
    'Kristen Bell',
    'Idina Menzel ',
    'Elsa'
  ]
}
{
  _id: ObjectId('67dcf3d942dcf9acc7e86223'),
  movie_id: '5',
  title: 'Ice Age',
  genre: 'Animation',
  release_year: 2002,
  duration: 100,
  ratings: 5,
  actors: [
    'Sid',
    'Manny',
    'Dab'
  ]
}
```

5. Retrieve all movies information from the 'movies' collection in MongoDB that released before the year 2010.

```
> db.movies.find({ "release_year": { $lt: 2010 } })
< [
  {
    _id: ObjectId('67dcf3d942dcf9acc7e86223'),
    movie_id: '5',
    title: 'Ice Age',
    genre: 'Animation',
    release_year: 2002,
    duration: 100,
    ratings: 5,
    actors: [
      'Sid',
      'Manny',
      'Dab'
    ]
  },
  {
    _id: ObjectId('67dcf3d942dcf9acc7e86224'),
    movie_id: '6',
    title: 'Harry Potter',
    genre: 'Novel Series',
    release_year: 2001,
    duration: 120,
    ratings: 4.5,
    actors: [
      'Harry Potter',
      'Ron Weasley',
      'Hermione Granger'
    ]
  }
]
```