

Create New Collection

```
db.movies.insertMany([])
```

```
> db.movies.insertMany([
  {
    "title": "Alzheimer",
    "director": "Amr Arafa",
    "year": 2010,
    "genre": "Comedy",
    "actors": ["Adel Imam", "Mahmoud Shukh", "Willy Karim"],
    "about": "An old rich man named Mahmood learns that he is suffering from Alzheimer's disease. This news makes his money-hungry sons happy to gain his fortune, but they face many obstacles in the way.",
    "ratings": 5
  },
  {
    "title": "I Am Legend",
    "director": "Akiva Goldman",
    "year": 2008,
    "genre": "Horror",
    "actors": ["Will Smith", "Alice Braga", "Desh Mihok"],
    "about": "As the Darkseekers attack the lab, the alpha male Darkseeker creates a butterfly shape while attempting to break through the glass to the laboratory. Neville realizes it is referencing the butterfly-shaped tattoo on the female",
    "ratings": 8.5
  },
  {
    "title": "Finch",
    "director": "Miguel Lapochak",
    "year": 2021,
    "genre": "Crime",
    "actors": ["Harris Wiegman", "Tom Hanks", "Chelsi Landry"],
    "about": "On a post-apocalyptic Earth, a robot, built to protect the life of his creator's beloved dog learns about life, love, friendship and what it means to be human.",
    "ratings": 8.3
  },
  {
    "title": "122",
    "director": "Yasir Alyasiri",
    "year": 2020,
    "genre": "Crime",
    "actors": ["Ahmed Dawood", "Ahmed Harhash", "Tarek Lotfy"],
    "about": "On a bloody night in a place where we are supposed to feel safe, a young man and his beloved are struggling not to reach the hospital, but to run away from it. They are trying to survive the night.",
    "ratings": 5.5
  },
  {
    "title": "The Boat",
    "director": "Winston Azopardi",
    "year": 2018,
    "genre": "Mystery",
    "actors": ["Ode Azopardi", "Ernest Thegister", "Rambis Mud"],
    "about": "Lost in a thick fog in the middle of the ocean, a lone fisherman discovers an abandoned sailboat and finds himself locked in a battle for survival.",
    "ratings": 5.7
  }
])
}

{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("64a608ae0baefc732878b51d"),
    '1': ObjectId("64a608ae0baefc732878b51e"),
    '2': ObjectId("64a608ae0baefc732878b51f"),
    '3': ObjectId("64a608ae0baefc732878b520"),
    '4': ObjectId("64a608ae0baefc732878b521")
  }
}
```

Insert One

```
db.movies.insertOne({title: "testooooo"});
```

```
> db.movies.insertOne({title: "testooooo"});
{
  acknowledged: true,
  insertedId: ObjectId("64a691540baef732076b522")
}
```

```
ratings: 8.9
}
{
  _id: ObjectId("64a690ae0baef732076b520"),
  title: '127',
  director: 'Yasir Alyasri',
  year: 2020,
  genre: 'Crime',
  actors: [
    'Ahmed Samad',
    'Ahmed Marhous',
    'Tarek Lotfy'
  ],
  about: 'On a bloody night in a place where we are supposed to feel safe, a young man and his beloved are struggling not to reach the hospital, but to run away from it. They are trying to survive the night.',
  ratings: 5.5
}
{
  _id: ObjectId("64a690ae0baef732076b521"),
  title: 'The Boat',
  director: 'Winston Azzopardi',
  year: 2018,
  genre: 'Mystery',
  actors: [
    'Joe Azzopardi',
    'Ernest Theisgar',
    'Amabis Mui'
  ],
  about: 'Lost in a thick fog in the middle of the ocean, a lone fisherman discovers an abandoned sailboat and finds himself locked in a battle for survival.',
  ratings: 5.7
}
{
  _id: ObjectId("64a691540baef732076b522"),
  title: 'testooooo'
}
```

Update One

```
db.movies.updateOne({ title: "testoooo" }, { $set: { title: "testoooo2" } });
```

```
> db.movies.updateOne({ title: "testoooo" }, { $set: { title: "testoooo2" } });
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

test>

```

  ratings: 8.5
}
{
  _id: ObjectId("64a69bae0aefc732b76b52b"),
  title: '122',
  director: 'Yasir Alpastr',
  year: 2020,
  genre: 'Crime',
  actors: [
    'Ahmed Sawood',
    'Ahmed Marhash',
    'Tarek Lotfy'
  ],
  about: 'On a bloody night in a place where we are supposed to feel safe, a young man and his beloved are struggling not to reach the hospital, but to run away from it. They are trying to survive the night.',
  ratings: 9.5
}
{
  _id: ObjectId("64a69bae0aefc732b76b52c"),
  title: 'The Hunt',
  director: 'Winston Azzopardi',
  year: 2018,
  genre: 'Mystery',
  actors: [
    'Joe Azzopardi',
    'Ernest Theisger',
    'Anubis Mud'
  ],
  about: 'Lost in a thick fog in the middle of the ocean, a lone fisherman discovers an abandoned sailboat and finds himself locked in a battle for survival.',
  ratings: 9.7
}
{
  _id: ObjectId("64a691540baefc732b76b522"),
  title: 'testoooo2'
}
```

Delete One

```
db.movies.deleteOne({ title: "testooooo2" });
```

```
}
> db.movies.deleteOne({ title: "testooooo2" });
{
  acknowledged: true,
  deletedCount: 1
}
```

Limit 3 Results

```
db.movies.find().limit(3);
```

```
> db.movies.find().limit(3)
{
  "_id": ObjectId("64a09a08aefc732076b51d"),
  "title": "Alzheimer",
  "director": "Amr Arafa",
  "year": 2020,
  "genre": "Comedy",
  "actors": [
    "Adel Iman",
    "Mahmoud Shouib",
    "Nelly Karim"
  ],
  "about": "An old rich man named Mahmoud learns that he is suffering from Alzheimer's disease. This news makes his money-hungry sons happy to gain his fortune, but they face many obstacles in the way.",
  "ratings": 5
}
{
  "_id": ObjectId("64a09a08aefc732076b51e"),
  "title": "I Am Legend",
  "director": "Akiva Goldsman",
  "year": 2008,
  "genre": "Horror",
  "actors": [
    "Will Smith",
    "Alice Braga",
    "Bashir Salah"
  ],
  "about": "As the Darkseekers attack the lab, the alpha male Darkseeker creates a butterfly shape while attempting to break through the glass to the laboratory. Neville realizes it is referencing the butterfly-shaped tattoo on the female Dark",
  "ratings": 9.5
}
{
  "_id": ObjectId("64a09a08aefc732076b51f"),
```

Skip first 2 results

```
db.movies.find().skip(2);
```

```
> db.movies.find().skip(2);
{
  "_id": ObjectId("64a09ae0baefc73207d051f"),
  "title": "Pinch",
  "director": "Miguel Sapochnik",
  "year": 2021,
  "genre": "Crime",
  "actors": [
    "Marie Wagman",
    "Tom Hanks",
    "Caleb Landry"
  ],
  "about": "On a post-apocalyptic Earth, a robot, built to protect the life of his creator's beloved dog learns about life, love, friendship and what it means to be human.",
  "ratings": 8.5
}
{
  "_id": ObjectId("64a09ae0baefc73207d0520"),
  "title": "122",
  "director": "Yasir Alyasiri",
  "year": 2020,
  "genre": "Crime",
  "actors": [
    "Ahmed Dawood",
    "Ahmed Harhash",
    "Tarek Lotfy"
  ],
  "about": "On a bloody night in a place where we are supposed to feel safe, a young man and his beloved are struggling not to reach the hospital, but to run away from it. They are trying to survive the night.",
  "ratings": 5.5
}
{
  "_id": ObjectId("64a09ae0baefc73207d0521"),
  "title": "The Boat"
```

Filter with one object

```
db.movies.find({genre: 'Crime'});
```

```
> db.movies.find({genre: 'Crime'});
{
  "_id": ObjectId("64a09ae0baefc73207d051f"),
  "title": "Pinch",
  "director": "Miguel Sapochnik",
  "year": 2021,
  "genre": "Crime",
  "actors": [
    "Marie Wagman",
    "Tom Hanks",
    "Caleb Landry"
  ],
  "about": "On a post-apocalyptic Earth, a robot, built to protect the life of his creator's beloved dog learns about life, love, friendship and what it means to be human.",
  "ratings": 8.5
}
{
  "_id": ObjectId("64a09ae0baefc73207d0520"),
  "title": "122",
  "director": "Yasir Alyasiri",
  "year": 2020,
  "genre": "Crime",
  "actors": [
    "Ahmed Dawood",
    "Ahmed Harhash",
    "Tarek Lotfy"
  ],
  "about": "On a bloody night in a place where we are supposed to feel safe, a young man and his beloved are struggling not to reach the hospital, but to run away from it. They are trying to survive the night.",
  "ratings": 5.5
}
}
```

Find with 2 options

```
db.movies.find({genre:'Crime'},{year:2020});
```

```
> db.movies.find({genre:'Crime'},{year:2020});
{
  "_id": ObjectId("64a59ae0baefc732076b51f"),
  "year": 2020
}
{
  "_id": ObjectId("64a59ae0baefc732076b520"),
  "year": 2020
}
```

Find with sorting

```
db.movies.find({genre: "Comedy" }, { title: 1, year: -1 })
```

```
> db.movies.find({genre: "Comedy" }, { title: 1, year: -1 })
{
  "_id": ObjectId("64a59ae0baefc732076b51d"),
  "title": 'Alzheimer',
  "year": 2019
}
```

Find one

```
db.movies.findOne({director:"Yasir Alyasiri"});
```

```
> db.movies.findOne({director:"Yasir Alyasiri"});
{
  "_id": ObjectId("64a59ae0baefc732076b520"),
  "title": '122',
  "director": 'Yasir Alyasiri',
  "year": 2020,
  "genre": 'Crime',
  "actors": [
    'Ahmed Dawood',
    'Ahmed Harhash',
    'Tarek Lotfy'
  ],
  "about": 'On a bloody night in a place where we are supposed to feel safe, a young man and his beloved are struggling not to reach the hospital, but to run away from it. They are trying to survive the night.',
  "ratings": 5.5
}
```

Count

```
db.movies.countDocuments({director:"Yasir Alyasiri"})
```

```
about: 'On a bloody night in a place where we are supposed to feel safe, a young man and his beloved are struggling not to reach the hospital, but to run away from it. They are trying to survive the night.',
ratings: 5.5
}
> db.movies.countDocuments({director:"Yasir Alyasiri"})
1
```

Find with greater than

```
db.movies.find({year:{$gt:2000}})
```

```
> db.movies.find({year:{$gt:2000}})
{
  "_id": ObjectId("64a09ba0baefc732070b51d"),
  "title": "Alzheimer",
  "director": "Amr Arafa",
  "year": 2010,
  "genre": "Comedy",
  "actors": [
    "Adel Imam",
    "Mahmoud Shouib",
    "Nelly Karim"
  ],
  "about": "An old rich man named Mahmoud learns that he is suffering from Alzheimer's disease. This news makes his money-hungry sons happy to gain his fortune, but they face many obstacles in the way.",
  "ratings": 0
}
{
  "_id": ObjectId("64a09ba0baefc732070b51e"),
  "title": "I Am Legend",
  "director": "Akiva Goldsman",
  "year": 2008,
  "genre": "Horror",
  "actors": [
    "Will Smith",
    "Alice Braga",
    "Dush Winko"
  ],
  "about": "As the Darkseekers attack the lab, the alpha male Darkseeker creates a butterfly shape while attempting to break through the glass to the laboratory. Neville realizes it is referencing the butterfly-shaped tattoo on the female Dark",
  "ratings": 9.5
}
{
  "_id": ObjectId("64a09ba0baefc732070b51f"),
  "title": "Finch",
  "director": "Miguel Sapochnik",
  "year": 2021,
  "about": "On a post-apocalyptic Earth, a robot, built to protect the life of his creator's beloved dog learns about life, love, friendship and what it means to be human.",
  "ratings": 8.5
}
```

Find equal

```
db.movies.find({year:{$eq:2021}})
```

```
> db.movies.find({year:{$eq:2021}})
{
  "_id": ObjectId("64a09ba0baefc732070b51f"),
  "title": "Finch",
  "director": "Miguel Sapochnik",
  "year": 2021,
  "genre": "Crime",
  "actors": [
    "Halle Wageman",
    "Tom Hanks",
    "Caleb Landry"
  ],
  "about": "On a post-apocalyptic Earth, a robot, built to protect the life of his creator's beloved dog learns about life, love, friendship and what it means to be human.",
  "ratings": 8.5
}
```

Sorting

```
db.movies.find().sort({year:1, title:-1})
```

```
> db.movies.find().sort({year:1, title:-1})
{
  "_id": ObjectId("64a09bae0baefc732070b51e"),
  "title": "I Am Legend",
  "director": "Alexa Goldsman",
  "year": 2008,
  "genre": "Horror",
  "actors": [
    "Will Smith",
    "Alice Braga",
    "Dash Mihok"
  ],
  "about": "As the Darkseekers attack the lab, the alpha male Darkseeker creates a butterfly shape while attempting to break through the glass to the laboratory. Neville realizes it is referencing the butterfly-shaped tattoo on the female Dark",
  "ratings": 8.5
}
{
  "_id": ObjectId("64a09bae0baefc732070b51f"),
  "title": "Alzheimer",
  "director": "Amr Arafat",
  "year": 2018,
  "genre": "Comedy",
  "actors": [
    "Adel Imam",
    "Mahmoud Shuaib",
    "Willy Karim"
  ],
  "about": "An old rich man named Mahmud learns that he is suffering from Alzheimer's disease. This news makes his money-hungry sons happy to gain his fortune, but they face many obstacles in the way.",
  "ratings": 6
}
{
  "_id": ObjectId("64a09bae0baefc732070b521"),
  "title": "The Boat",
  "director": "Winston Azzopardi",
  "year": 2018,
}
```