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Q16

1. Return all document whose title is “Into Darkness” & produced after 2010

db.movies.find({ title: "Into Darkness", year: { \$gt: 2010 } })

2. For the same query in (1), make MongoDB only return the following fields; title, year, actors

db.movies.find({ title: "Into Darkness", year: { \$gt: 2010 } }, { title: 1, year: 1, actors: 1, _id: 0 })

3. Delete only one document from the collection whose title is “Into Darkness”

db.movies.deleteOne({ title: "Into Darkness" })

4. Return all documents that are released in “USA” country

db.movies.find({ "releases.country": "USA" })

5. Write a query to add rating:5 to the document whose title is “Into Darkness”

db.movies.updateOne({ title: "Into Darkness" }, { \$set: { rating: 5 } })

6. Sort movies in ascending order based on the year and number of actors

db.movies.find().sort({ year: 1, actors: 1 })

7. Use mapreduce to run mongodb that finds the average ratings of movies produces in 1999; write map function, reduce function, and how to use them in query

```
var mapFunction = function() {  
  if (this.year === 1999) {  
    emit(1, this.rating);  
  }  
};
```

```
var reduceFunction = function(key, values) {  
  return Array.avg(values);  
};
```

```
db.movies.mapReduce(  
  mapFunction,  
  reduceFunction,  
  {  
    out: "average_ratings",  
    query: { year: 1999 }  
  }  
);
```

```
db.average_ratings.find();
```