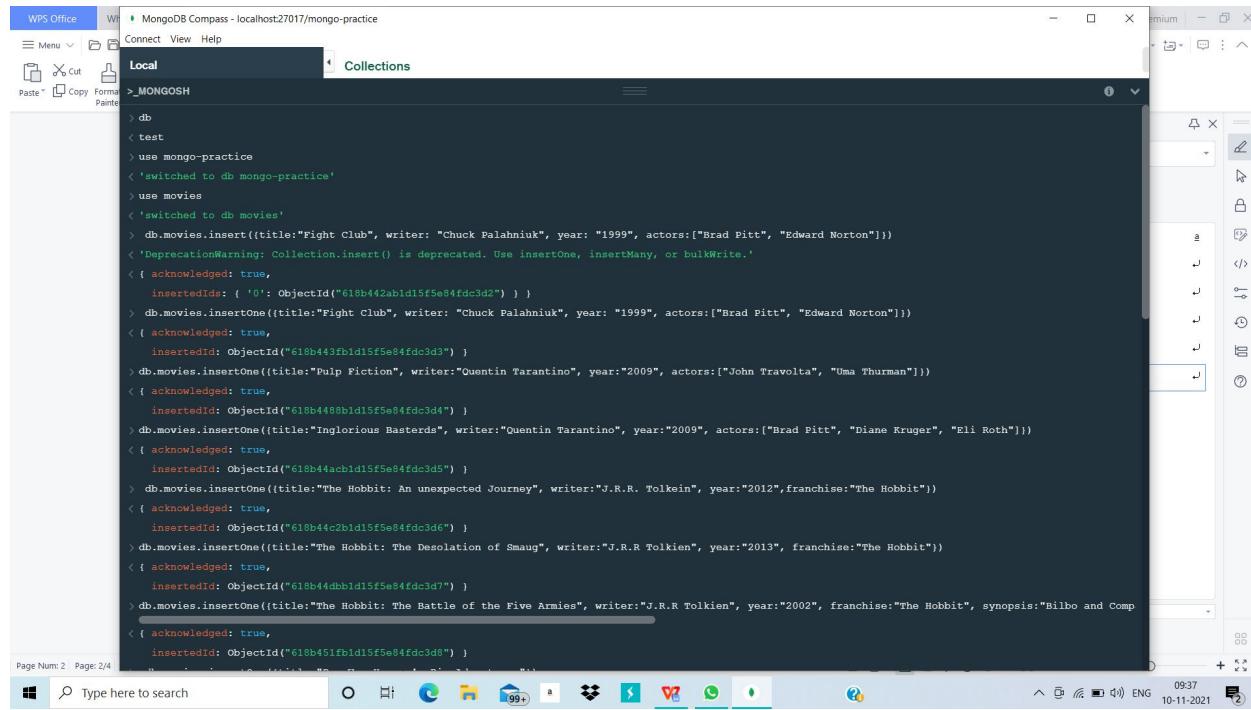


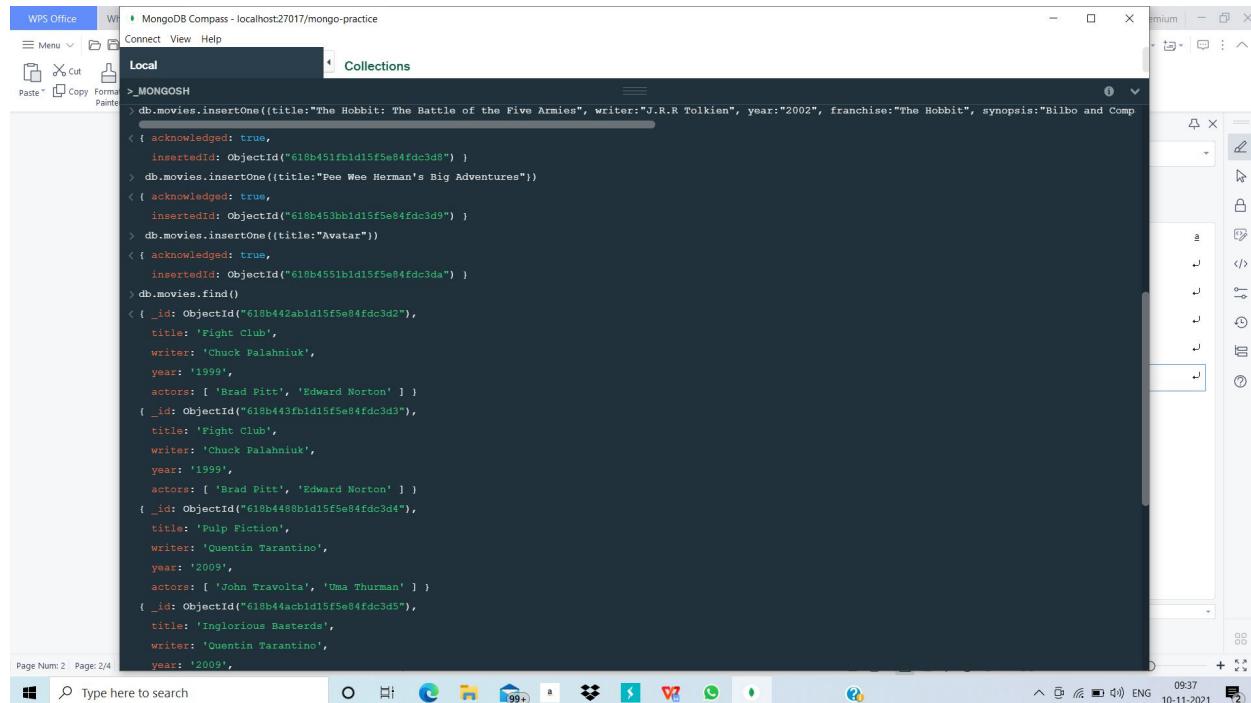
# MONGODB ASSIGNMENT

## Insert Documents:



```
WPS Office MongoDB Compass - localhost:27017/mongo-practice
Connect View Help
Local Collections
>_MONGOSH
> db
< test
< use mongo-practice
< switched to db mongo-practice
> use movies
< switched to db movies
> db.movies.insert({title:"Fight Club", writer: "Chuck Palahniuk", year: "1999", actors:["Brad Pitt", "Edward Norton"]})
< DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
< { acknowledged: true,
  insertedId: { _id: ObjectId("618b442ab1d15f5e84fdc3d2") } }
> db.movies.insertOne({title:"Fight Club", writer: "Chuck Palahniuk", year: "1999", actors:["Brad Pitt", "Edward Norton"]})
< { acknowledged: true,
  insertedId: ObjectId("618b443fb1d15f5e84fdc3d3") }
> db.movies.insertOne({title:"Pulp Fiction", writer:"Quentin Tarantino", year:"2009", actors:["John Travolta", "Uma Thurman"]})
< { acknowledged: true,
  insertedId: ObjectId("618b448b1d15f5e84fdc3d4") }
> db.movies.insertOne({title:"Inglourious Basterds", writer:"Quentin Tarantino", year:"2009", actors:["Brad Pitt", "Diane Kruger", "Eli Roth"]})
< { acknowledged: true,
  insertedId: ObjectId("618b44acb1d15f5e84fdc3d5") }
> db.movies.insertOne({title:"The Hobbit: An unexpected Journey", writer:"J.R.R. Tolkein", year:"2012", franchise:"The Hobbit"})
< { acknowledged: true,
  insertedId: ObjectId("618b44c2b1d15f5e84fdc3d6") }
> db.movies.insertOne({title:"The Hobbit: The Desolation of Smaug", writer:"J.R.R Tolkein", year:"2013", franchise:"The Hobbit"})
< { acknowledged: true,
  insertedId: ObjectId("618b44dbb1d15f5e84fdc3d7") }
> db.movies.insertOne({title:"The Hobbit: The Battle of the Five Armies", writer:"J.R.R Tolkien", year:"2002", franchise:"The Hobbit", synopsis:"Bilbo and Comp
< { acknowledged: true,
  insertedId: ObjectId("618b451fb1d15f5e84fdc3d8") }

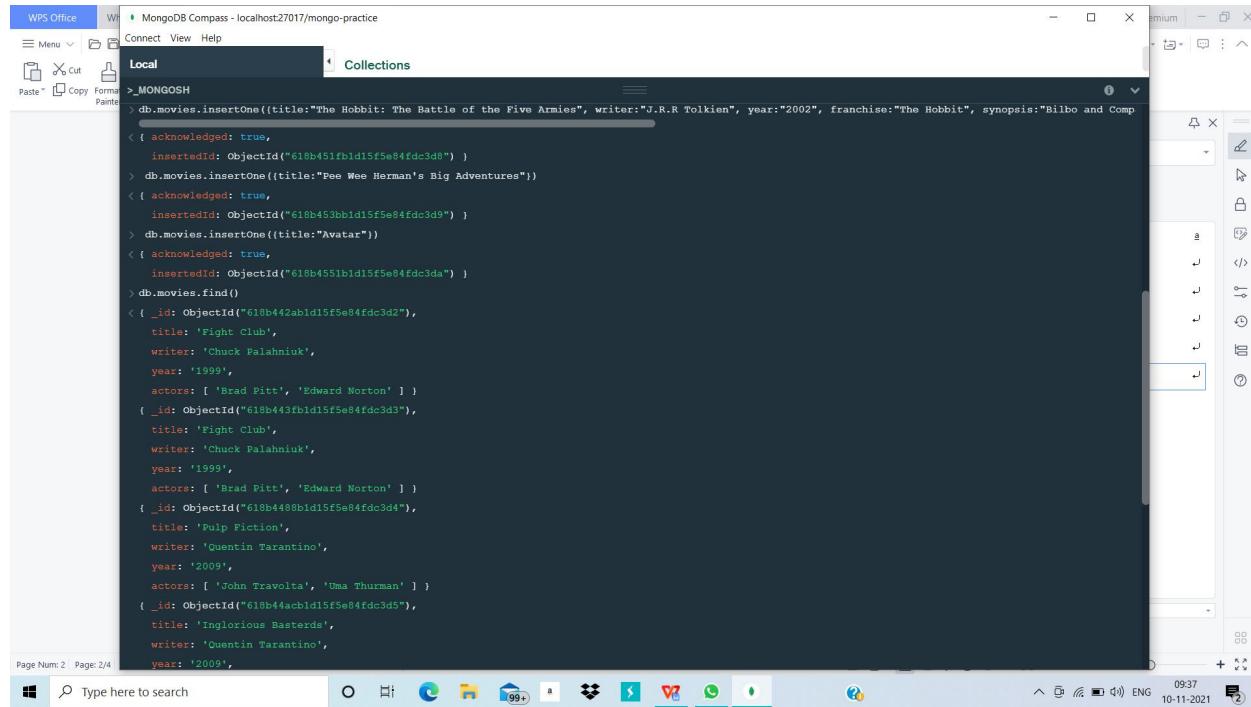
Page Num: 2 Page: 2/4
Type here to search 09:37 10-11-2021 ENG
```



```
WPS Office MongoDB Compass - localhost:27017/mongo-practice
Connect View Help
Local Collections
>_MONGOSH
> db
< test
< use mongo-practice
< switched to db mongo-practice
> use movies
< switched to db movies
> db.movies.insertOne({title:"The Hobbit: The Desolation of Smaug", writer:"J.R.R Tolkein", year:"2013", franchise:"The Hobbit", synopsis:"Bilbo and Comp
< { acknowledged: true,
  insertedId: ObjectId("618b451fb1d15f5e84fdc3d8") }
> db.movies.insertOne({title:"Pee Wee Herman's Big Adventures"})
< { acknowledged: true,
  insertedId: ObjectId("618b453bb1d15f5e84fdc3d9") }
> db.movies.insertOne({title:"Avatar"})
< { acknowledged: true,
  insertedId: ObjectId("618b4551b1d15f5e84fdc3da") }
> db.movies.find()
< { _id: ObjectId("618b442ab1d15f5e84fdc3d2"),
  title: "Fight Club",
  writer: "Chuck Palahniuk",
  year: "1999",
  actors: [ "Brad Pitt", "Edward Norton" ],
  _id: ObjectId("618b443fb1d15f5e84fdc3d3"),
  title: "Fight Club",
  writer: "Chuck Palahniuk",
  year: "1999",
  actors: [ "Brad Pitt", "Edward Norton" ],
  _id: ObjectId("618b448b1d15f5e84fdc3d4"),
  title: "Pulp Fiction",
  writer: "Quentin Tarantino",
  year: "2009",
  actors: [ "John Travolta", "Uma Thurman" ],
  _id: ObjectId("618b44acb1d15f5e84fdc3d5"),
  title: "Inglourious Basterds",
  writer: "Quentin Tarantino",
  year: "2009",
  actors: [ "Brad Pitt", "Diane Kruger", "Eli Roth" ],
  _id: ObjectId("618b44c2b1d15f5e84fdc3d6"),
  title: "The Hobbit: The Desolation of Smaug",
  writer: "J.R.R Tolkein",
  year: "2013",
  franchise: "The Hobbit",
  synopsis: "Bilbo and Comp
< { acknowledged: true,
  insertedId: ObjectId("618b451fb1d15f5e84fdc3d8") }

Page Num: 2 Page: 2/4
Type here to search 09:37 10-11-2021 ENG
```

## Find Documents



MongoDB Compass - localhost:27017/mongo-practice

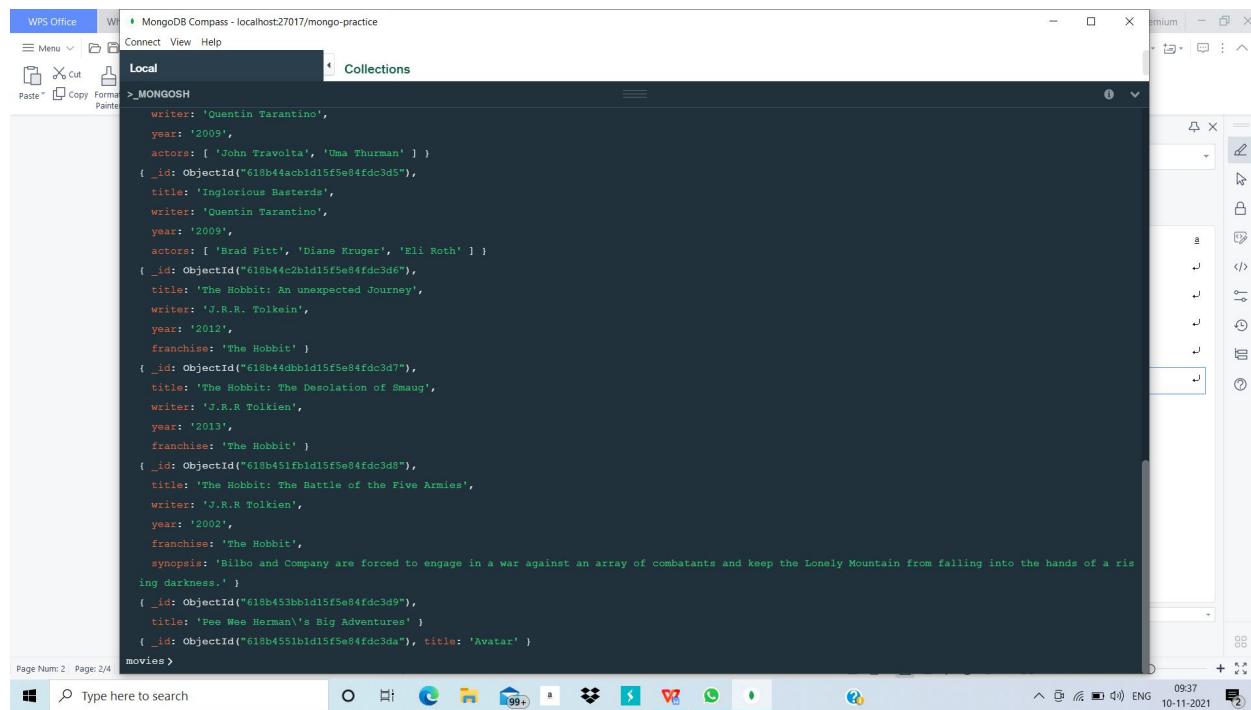
Local Collections >\_MONGOSH

```
> db.movies.insertOne({title:"The Hobbit: The Desolation of Smaug", writer:"J.R.R. Tolkien", year:"2013", franchise: "The Hobbit", synopsis:"Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness."})
```

Page Num: 2 Page: 2/4

WPS Office Type here to search 09:37 ENG 10-11-2021

This screenshot shows the MongoDB Compass interface with the 'Local' collection selected. A single document is inserted into the 'movies' collection. The document details the movie 'The Desolation of Smaug' with a writer of J.R.R. Tolkien, released in 2013, part of the 'The Hobbit' franchise, and a specific synopsis about Bilbo and Company's war against combatants.



MongoDB Compass - localhost:27017/mongo-practice

Local Collections >\_MONGOSH

```
> db.movies.insertOne({title:"The Hobbit: The Desolation of Smaug", writer:"J.R.R. Tolkien", year:"2013", franchise: "The Hobbit", synopsis:"Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness."})
```

Page Num: 2 Page: 2/4

WPS Office Type here to search 09:37 ENG 10-11-2021

This screenshot shows the MongoDB Compass interface with the 'Local' collection selected. A single document is inserted into the 'movies' collection. The document details the movie 'The Desolation of Smaug' with a writer of J.R.R. Tolkien, released in 2013, part of the 'The Hobbit' franchise, and a specific synopsis about Bilbo and Company's war against combatants.

WPS Office MongoDB Compass - localhost:27017/mongo-practice

Local Collections > MONGOSH

```
_id: ObjectId("610b44acbd15f5e84fdc3d5"),
  title: 'Inglourious Basterds',
  writer: 'Quentin Tarantino',
  year: '2009',
  actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ] }
{ _id: ObjectId("610b44c2bd15f5e84fdc3d6"),
  title: 'The Hobbit: An unexpected Journey',
  writer: 'J.R.R. Tolkein',
  year: '2012',
  franchise: 'The Hobbit' }
{ _id: ObjectId("610b44dbbd15f5e84fdc3d7"),
  title: 'The Hobbit: The Desolation of Smaug',
  writer: 'J.R.R Tolkein',
  year: '2013',
  franchise: 'The Hobbit' }
{ _id: ObjectId("610b451fb1d15f5e84fdc3d8"),
  title: 'The Hobbit: The Battle of the Five Armies',
  writer: 'J.R.R Tolkein',
  year: '2002',
  franchise: 'The Hobbit',
  synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.' }
{ _id: ObjectId("610b453bb1d15f5e84fdc3d9"),
  title: 'Fee Wee Herman\'s Big Adventures' }
{ _id: ObjectId("610b4551bd15f5e84fdc3da"), title: 'Avatar' }
> db.movies.find({writer:'Quentin Tarantino'})
< { _id: ObjectId("610b4480bd15f5e84fdc3d4"),
  title: 'Pulp Fiction',
  writer: 'Quentin Tarantino',
```

Page Num: 3 Page 3/4 09:45 10-11-2021

WPS Office MongoDB Compass - localhost:27017/mongo-practice

Local Collections > MONGOSH

```
> db.movies.find({writer:'Quentin Tarantino'})
< { _id: ObjectId("610b4480bd15f5e84fdc3d4"),
  title: 'Pulp Fiction',
  writer: 'Quentin Tarantino',
  year: '2009',
  actors: [ 'John Travolta', 'Uma Thurman' ] }
{ _id: ObjectId("610b44acbd15f5e84fdc3d5"),
  title: 'Inglourious Basterds',
  writer: 'Quentin Tarantino',
  year: '2009',
  actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ] }
> db.movies.find({actors:'Brad Pitt'})
< { _id: ObjectId("610b442ab1d15f5e84fdc3d2"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
{ _id: ObjectId("610b443fb1d15f5e84fdc3d3"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
{ _id: ObjectId("610b44acbd15f5e84fdc3d5"),
  title: 'Inglourious Basterds',
  writer: 'Quentin Tarantino',
  year: '2009',
  actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ] }
> db.movies.find({franchise:'The Hobbit'})
< { _id: ObjectId("610b44c2bd15f5e84fdc3d6"),
  title: 'The Hobbit: An unexpected Journey',
```

Page Num: 3 Page 3/4 09:45 10-11-2021

WPS Office MongoDB Compass - localhost:27017/mongo-practice

☰ Menu ⌂ Connect View Help

Local Collections >\_MONGOSH

```
actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ] )
> db.movies.find({franchise:"The Hobbit"})
< { _id: ObjectId("618b4c2b1d15f5e84fdc3d6"),
  title: 'The Hobbit: An unexpected Journey',
  writer: 'J.R.R. Tolkein',
  year: '2012',
  franchise: 'The Hobbit' }
{ _id: ObjectId("618b4d8bb1d15f5e84fdc3d7"),
  title: 'The Hobbit: The Desolation of Smaug',
  writer: 'J.R.R Tolkein',
  year: '2013',
  franchise: 'The Hobbit' }
{ _id: ObjectId("618b451fb1d15f5e84fdc3d8"),
  title: 'The Hobbit: The Battle of the Five Armies',
  writer: 'J.R.R Tolkein',
  year: '2002',
  franchise: 'The Hobbit',
  synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.' }
> db.movies.find({year:{$gt:"1990", $lt:"2000"}})
< { _id: ObjectId("618b442ab1d15f5e84fdc3d2"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
{ _id: ObjectId("618b443fb1d15f5e84fdc3d3"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
> db.movies.find({$or:[{year:{$gt:"2010"}}, {year: {$lt:"2000"}}]})
< { _id: ObjectId("618b442ab1d15f5e84fdc3d2"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
{ _id: ObjectId("618b443fb1d15f5e84fdc3d3"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
{ _id: ObjectId("618b4c2b1d15f5e84fdc3d6"),
  title: 'The Hobbit: An unexpected Journey',
  writer: 'J.R.R. Tolkein',
  year: '2012',
  franchise: 'The Hobbit' }
{ _id: ObjectId("618b444fb1d15f5e84fdc3d7")}
```

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Windows Type here to search 09:45 ENG 10-11-2021

WPS Office MongoDB Compass - localhost:27017/mongo-practice

☰ Menu ⌂ Connect View Help

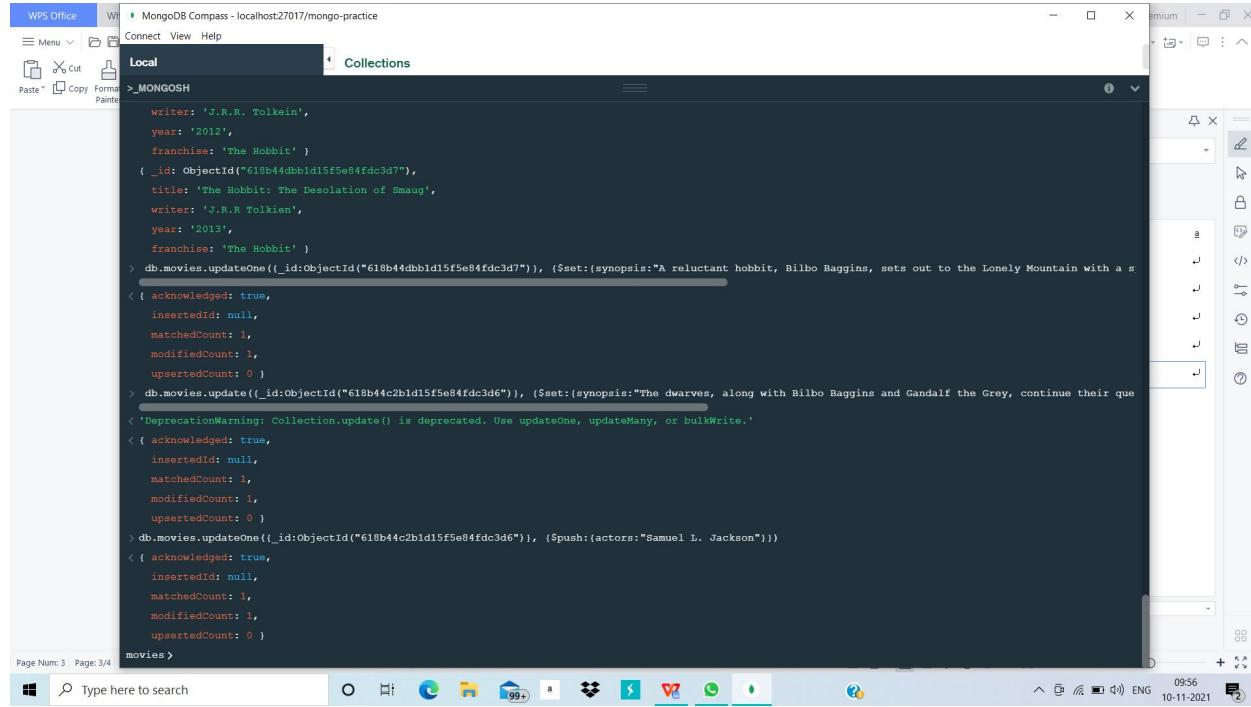
Local Collections >\_MONGOSH

```
actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ] )
> db.movies.find({franchise:"The Hobbit"})
< { _id: ObjectId("618b4c2b1d15f5e84fdc3d6"),
  title: 'The Hobbit: An unexpected Journey',
  writer: 'J.R.R. Tolkein',
  year: '2012',
  franchise: 'The Hobbit' }
{ _id: ObjectId("618b4d8bb1d15f5e84fdc3d7"),
  title: 'The Hobbit: The Desolation of Smaug',
  writer: 'J.R.R Tolkein',
  year: '2013',
  franchise: 'The Hobbit' }
{ _id: ObjectId("618b451fb1d15f5e84fdc3d8"),
  title: 'The Hobbit: The Battle of the Five Armies',
  writer: 'J.R.R Tolkein',
  year: '2002',
  franchise: 'The Hobbit',
  synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.' }
> db.movies.find({year:{$gt:"1990", $lt:"2000"}})
< { _id: ObjectId("618b442ab1d15f5e84fdc3d2"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
{ _id: ObjectId("618b443fb1d15f5e84fdc3d3"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
> db.movies.find({$or:[{year:{$gt:"2010"}}, {year: {$lt:"2000"}}]})
< { _id: ObjectId("618b442ab1d15f5e84fdc3d2"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
{ _id: ObjectId("618b443fb1d15f5e84fdc3d3"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: '1999',
  actors: [ 'Brad Pitt', 'Edward Norton' ] }
{ _id: ObjectId("618b4c2b1d15f5e84fdc3d6"),
  title: 'The Hobbit: An unexpected Journey',
  writer: 'J.R.R. Tolkein',
  year: '2012',
  franchise: 'The Hobbit' }
{ _id: ObjectId("618b444fb1d15f5e84fdc3d7")}
```

Page Num: 3 Page: 3/4

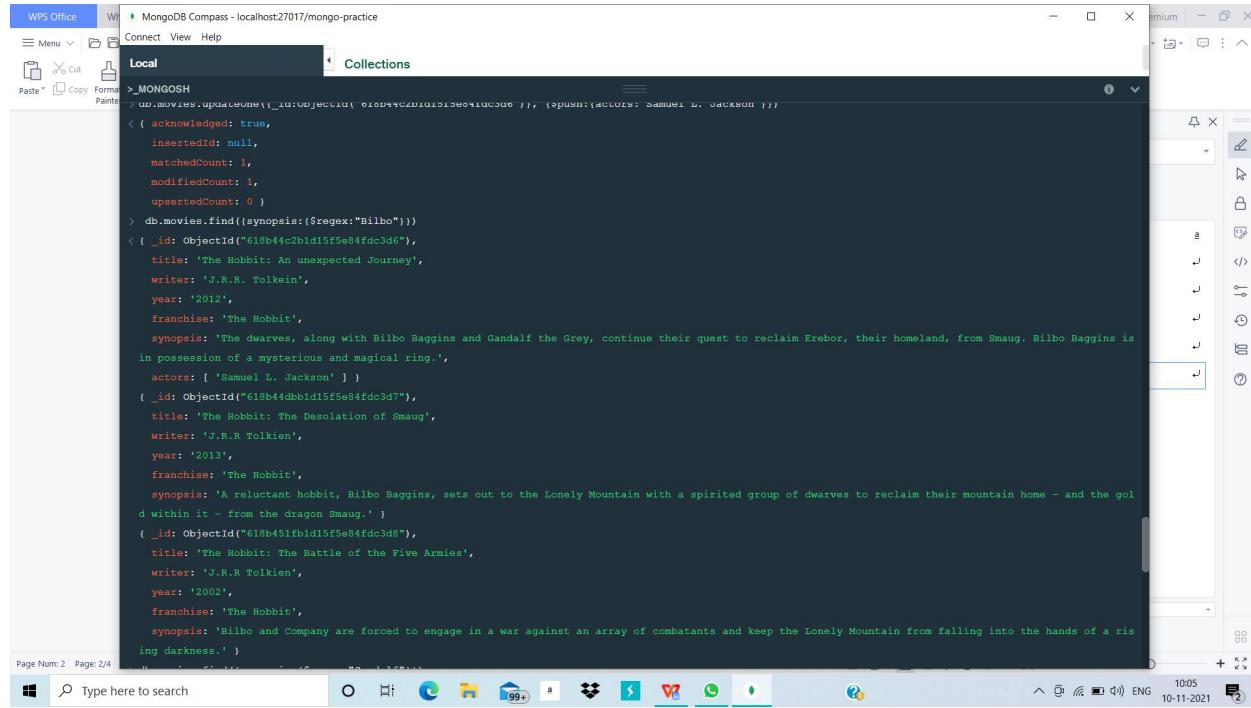
Windows Type here to search 09:56 ENG 10-11-2021

## Update Documents:



```
MongoDB Compass - localhost:27017/mongo-practice
Connect View Help
Local Collections
>_MONGOSH
writer: 'J.R.R. Tolkien',
year: '2012',
franchise: 'The Hobbit'
{ _id: ObjectId("618b44c2b1d15f5e84fdc3d7"),
  title: 'The Hobbit: The Desolation of Smaug',
  writer: 'J.R.R. Tolkien',
  year: '2013',
  franchise: 'The Hobbit'
}
> db.movies.updateOne({ _id:ObjectId("618b44c2b1d15f5e84fdc3d7")}, { $set:{synopsis:"A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a s
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }
> db.movies.update({ _id:ObjectId("618b44c2b1d15f5e84fdc3d6")}, { $set:{synopsis:"The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their que
< 'DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.'
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }
> db.movies.updateOne({ _id:ObjectId("618b44c2b1d15f5e84fdc3d6")}, { $push:{actors:"Samuel L. Jackson"}}
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }
movies >
```

## Text Search:



```
MongoDB Compass - localhost:27017/mongo-practice
Connect View Help
Local Collections
> db.movies.updateOne({ _id:ObjectId("618b44c2b1d15f5e84fdc3d6")}, { $push:{actors: "Samuel L. Jackson" }})
< { acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0 }
> db.movies.find({synopsis:{$regex:"Bilbo"}})
< { _id: ObjectId("618b44c2b1d15f5e84fdc3d6"),
  title: 'The Hobbit: An unexpected Journey',
  writer: 'J.R.R. Tolkien',
  year: '2012',
  franchise: 'The Hobbit',
  synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is
  in possession of a mysterious and magical ring.',
  actors: [ 'Samuel L. Jackson' ],
  { _id: ObjectId("618b44c2b1d15f5e84fdc3d7"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkien',
    year: '2013',
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gol
    d within it - from the dragon Smaug.' },
    { _id: ObjectId("618b451fb1d15f5e84fdc3d8"),
      title: 'The Hobbit: The Desolation of Smaug',
      writer: 'J.R.R. Tolkien',
      year: '2002',
      franchise: 'The Hobbit',
      synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a ris
      ing darkness.' }
```

WPS Office MongoDB Compass - localhost:27017/mongo-practice

Local Collections > MONGOSH

```
franchise: 'The Hobbit',
synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.'
> db.movies.find({synopsis:{$regex:"Gandalf"}})
< [
  {
    _id: ObjectId("610b44c2b1d15f5e84fdc3d6"),
    title: 'The Hobbit: An unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: 'The Hobbit',
    synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.',
    actors: [ 'Samuel L. Jackson' ]
  },
  {
    _id: ObjectId("610b44c2b1d15f5e84fdc3d7"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2013',
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug.'
  },
  {
    _id: ObjectId("610b44c2b1d15f5e84fdc3d8"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2002',
    franchise: 'The Hobbit',
    synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.'
  }
]
> db.movies.find({$or:[{synopsis:{$regex:"dwarves"}}, {synopsis:{$regex:"hobbit"}}]})
< [
  {
    _id: ObjectId("610b44c2b1d15f5e84fdc3d6"),
    title: 'The Hobbit: An unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: 'The Hobbit',
    synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.',
    actors: [ 'Samuel L. Jackson' ]
  },
  {
    _id: ObjectId("610b44c2b1d15f5e84fdc3d7"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2013',
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug.'
  }
]
```

Page Num: 2 Page 2/4

WPS Office MongoDB Compass - localhost:27017/mongo-practice

Local Collections > MONGOSH

```
franchise: 'The Hobbit',
synopsis: 'Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.'
> db.movies.find({$or:[{synopsis:{$regex:"dwarves"}}, {synopsis:{$regex:"hobbit"}}]})
< [
  {
    _id: ObjectId("610b44c2b1d15f5e84fdc3d6"),
    title: 'The Hobbit: An unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: 'The Hobbit',
    synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.',
    actors: [ 'Samuel L. Jackson' ]
  },
  {
    _id: ObjectId("610b44c2b1d15f5e84fdc3d7"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2013',
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug.'
  }
]
> db.movies.find({$and:[{synopsis:{$regex:"gold"}}, {synopsis:{$regex:"dragon"}}]})
< [
  {
    _id: ObjectId("610b44c2b1d15f5e84fdc3d7"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R Tolkein',
    year: '2013',
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug.'
  }
]
> db.movies.deleteOne({_id:ObjectId("61a9c40f3e2cf491e83ff19")})
< {
  acknowledged: true,
  deletedCount: 0
}
movies> db.movies.deleteOne({_id:ObjectId("")})
```

Page Num: 2 Page 2/4

## Delete Documents:

WPS Office

MongoDB Compass - localhost:27017/mongo-practice

Local

Collections

```
> _MONGOSH
    title: 'The Hobbit: An unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: 'The Hobbit',
    synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.',
    actors: [ 'Samuel L Jackson' ],
    _id: ObjectId("61b44dbbd15f5e84fdc3d7"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R Tolkiien',
    year: '2013',
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug.'
> db.movies.find({$and:[{synopsis:{$regex:"gold"}}, {synopsis:{$regex:"dragon"}}]})

< { _id: ObjectId("61b44dbbd15f5e84fdc3d7"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R Tolkiien',
    year: '2013',
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug.' }

> db.movies.deleteOne({ _id:ObjectId("619a9ac40f3e2cf491e83ff19")})
< { acknowledged: true, deletedCount: 0 }
> db.movies.deleteOne({ _id:ObjectId("61b453bb1d15f5e84fdc3d9")})
< { acknowledged: true, deletedCount: 1 }
> db.movies.deleteOne({ _id:ObjectId("618b4551b1d15f5e84fdc3da")})
< { acknowledged: true, deletedCount: 1 }

movies>
```

Page Num: 2 Page 2/4

Type here to search

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## Relationships:

MongoDB

MongoDB Compass - localhost:27017

Local

Collections

```
> _MONGOSH
    < *switched to db users*
    > db.users.insertOne({_id:1,username:"GoodGuyGreg", first_name:"Good Guy", last_name:"Greg"})
    < { acknowledged: true, insertedId: 1 }
    > db.users.insertOne({_id:2,username:"ScumbagSteve", fullname:{first: "Scumbag", last:"Steve"}})
    < { acknowledged: true, insertedId: 2 }
    > db
    < users
    > use posts
    < *switched to db posts*
    > db.posts.insertOne({username:"GoodGuyGreg", title:"Passes out at Party", body:"Raises your credit score"})
    < { acknowledged: true,
        insertedId: ObjectId("61b545cb1d15f5e84fdc3e0" ) }
    > db.posts.insertOne({username:"GoodGuyGreg", title:"Steals your identity", body:"Raises your credit score"})
    < { acknowledged: true,
        insertedId: ObjectId("61b546fb1d15f5e84fdc3e1" ) }
    > db.posts.insertOne({username:"GoodGuyGreg", title:"Reports a bug in your code", body:"Sends you a pull request"})
    < { acknowledged: true,
        insertedId: ObjectId("61b5494b1d15f5e84fdc3e2" ) }
    > db.posts.insertOne({username:"ScumbagSteve", title:"Borrows something", body:"Sells it"})
    < { acknowledged: true,
        insertedId: ObjectId("61b5494b1d15f5e84fdc3e3" ) }
    > db.posts.insertOne({username:"ScumbagSteve", title:"Borrows everything", body:"The end"})
    < { acknowledged: true,
        insertedId: ObjectId("61b54d0b1d15f5e84fdc3e4" ) }
    > db.posts.insertOne({username:"ScumbagSteve", title:"Forks your repo on github", body:"Sets to private"})
    < { acknowledged: true,
        insertedId: ObjectId("61b54e8b1d15f5e84fdc3e5" ) }
```

posts>

Type here to search

10:43 10-11-2021 ENG

```
> MONGOSH
> db.posts.insertOne({username:"ScumbagSteve", title:"Forks your repo on github", body:"Sets to private"})
< { acknowledged: true,
  insertedId: ObjectId("618b54e8b1d15f5e84fdc3e5" ) }

> db
< posts
  > use comments
    < switched to db comments

    > db.comments.insert({ username:"GoodGuyGreg", comment:"Hope you got a good deal!", post:ObjectId("618b545cb1d15f5e84fdc3e0")})
    < { acknowledged: true,
      insertedId: ObjectId("618b55d5b1d15f5e84fdc3e6" ) }

    > db.comments.insertOne({username:"GoodGuyGreg", comment:"What's mine is yours!", post:ObjectId("618b546fb1d15f5e84fdc3e1")})
    < { acknowledged: true,
      insertedId: ObjectId("618b565cb1d15f5e84fdc3e7" ) }

    > db.comments.insertOne({username:"GoodGuyGreg", comment:"Hope you got a good deal!", post:ObjectId("618b545cb1d15f5e84fdc3e0")})
    < { acknowledged: true,
      insertedId: ObjectId("618b566ab1d15f5e84fdc3e8" ) }

    > db.comments.insertOne({username:"GoodGuyGreg", comment:"Don't violate the licensing agreement!", post:ObjectId("618b5494b1d15f5e84fdc3e2")})
    < { acknowledged: true,
      insertedId: ObjectId("618b56d5b1d15f5e84fdc3e9" ) }

    > db.comments.insertOne({username:"ScumbagSteve", comment:"It still isn't clean", post:ObjectId("618b545cb1d15f5e84fdc3e3")})
    < { acknowledged: true,
      insertedId: ObjectId("618b5748b1d15f5e84fdc3ea" ) }

    > db.comments.insert({username:"ScumbagSteve", comment:"Denied your PR cause I found a hack", post:ObjectId("618b54d0b1d15f5e84fdc3e4")})
    < { acknowledged: true,
      insertedId: ObjectId("618b57ecb1d15f5e84fdc3eb" ) }

    > db.comments.insertOne({username:"ScumbagSteve", comment:"Denied your PR cause I found a hack", post:ObjectId("618b54d0b1d15f5e84fdc3e4")})
    < { acknowledged: true,
      insertedId: ObjectId("618b57f4b1d15f5e84fdc3ec" ) }

  comments>
```

## Querying Related Collections:

```
> MONGOSH
> db
< comments
  > use users
    < switched to db users

    > db.users.find()
    < { _id: 1,
        username: 'GoodGuyGreg',
        first_name: 'Good Guy',
        last_name: 'Greg' }
    { _id: 2,
        username: 'ScumbagSteve',
        fullname: { first: 'Scumbag', last: 'Steve' } }

  > db.posts.find()
  <
  > use posts
    < switched to db posts

    > db.posts.find()
    < { _id: ObjectId("618b545cb1d15f5e84fdc3e0"),
        username: 'GoodGuyGreg',
        title: 'Passes out at Party',
        body: 'Raises your credit score' }
    { _id: ObjectId("618b546fb1d15f5e84fdc3e1"),
        username: 'GoodGuyGreg',
        title: 'Steals your identity',
        body: 'Raises your credit score' }
    { _id: ObjectId("618b5494b1d15f5e84fdc3e2"),
        username: 'GoodGuyGreg',
        title: 'Reports a bug in your code' }
```

```
MongoDB Compass - localhost:27017
Connect View Help
Local Collections
>_MONGOSH
    body: 'Raises your credit score'
    { _id: ObjectId("618b5494b1d15f5e84fdc3e2"),
      username: 'GoodGuyGreg',
      title: 'Reports a bug in your code',
      body: 'Sends you a pull request' }
    { _id: ObjectId("618b54bc1d15f5e84fdc3e3"),
      username: 'ScumbagSteve',
      title: 'Borrows something',
      body: 'Sells it!' }
    { _id: ObjectId("618b54d0b1d15f5e84fdc3e4"),
      username: 'ScumbagSteve',
      title: 'Borrows everything',
      body: 'The end!' }
    { _id: ObjectId("618b54e8b1d15f5e84fdc3e5"),
      username: 'ScumbagSteve',
      title: 'Forks your repo on github',
      body: 'Sets to private' }
> db.posts.find({username:'GoodGuyGreg'})
< { _id: ObjectId("618b545cb1d15f5e84fdc3e0"),
  username: 'GoodGuyGreg',
  title: 'Passes out at Party',
  body: 'Raises your credit score' }
{ _id: ObjectId("618b546fb1d15f5e84fdc3e1"),
  username: 'GoodGuyGreg',
  title: 'Steals your identity',
  body: 'Raises your credit score' }
{ _id: ObjectId("618b5494b1d15f5e84fdc3e2"),
  username: 'GoodGuyGreg',
  title: 'Reports a bug in your code',
```

```
MongoDB Compass - localhost:27017
Connect View Help
Local Collections
>_MONGOSH
    body: 'Raises your credit score'
    { _id: ObjectId("618b5494b1d15f5e84fdc3e2"),
      username: 'GoodGuyGreg',
      title: 'Reports a bug in your code',
      body: 'Sends you a pull request' }
> db.posts.find({username:'ScumbagSteve'})
< { _id: ObjectId("618b54bc1d15f5e84fdc3e3"),
  username: 'ScumbagSteve',
  title: 'Borrows something',
  body: 'Sells it!' }
{ _id: ObjectId("618b54d0b1d15f5e84fdc3e4"),
  username: 'ScumbagSteve',
  title: 'Borrows everything',
  body: 'The end!' }
{ _id: ObjectId("618b54e8b1d15f5e84fdc3e5"),
  username: 'ScumbagSteve',
  title: 'Forks your repo on github',
  body: 'Sets to private' }
> use comments
< *switched to db comments*
> db.comments.find()
< { _id: ObjectId("618b55d5b1d15f5e84fdc3e6"),
  username: 'GoodGuyGreg',
  comment: 'Hope you got a good deal!',
  post: ObjectId("618b545cb1d15f5e84fdc3e0" ) }
{ _id: ObjectId("618b565cb1d15f5e84fdc3e7"),
  username: 'GoodGuyGreg',
  comment: 'What\'s mine is yours!',
  post: ObjectId("618b546fb1d15f5e84fdc3e1" ) }
```

```
MongoDB Compass - localhost:27017
Connect View Help
Local Collections
>_MONGOSH
  username: 'GoodGuyGreg',
  comment: 'Hope you got a good deal!',
  post: ObjectId("618b545cb1d15f5e84fdc3e0" )
{ _id: ObjectId("618b565cb1d15f5e84fdc3e7" ),
  username: 'GoodGuyGreg',
  comment: 'What\'s mine is yours!',
  post: ObjectId("618b546fb1d15f5e84fdc3e1" )
{ _id: ObjectId("618b566ab1d15f5e84fdc3e8" ),
  username: 'GoodGuyGreg',
  comment: 'Hope you got a good deal!',
  post: ObjectId("618b545cb1d15f5e84fdc3e0" )
{ _id: ObjectId("618b56d5b1d15f5e84fdc3e9" ),
  username: 'GoodGuyGreg',
  comment: 'Don\'t violate the licensing agreement!',
  post: ObjectId("618b5494b1d15f5e84fdc3e2" )
> db.comments.find({username:"ScumbagSteve"})
< { _id: ObjectId("618b574b1d15f5e84fdc3ea" ),
  username: 'ScumbagSteve',
  comment: 'It still isn\'t clean',
  post: ObjectId("618b54cb1d15f5e84fdc3e3" )
{ _id: ObjectId("618b57ecb1d15f5e84fdc3eb" ),
  username: 'ScumbagSteve',
  comment: 'Denied your PR cause I found a hack',
  post: ObjectId("618b54d0b1d15f5e84fdc3e4" )
{ _id: ObjectId("618b574b1d15f5e84fdc3ec" ),
  username: 'ScumbagSteve',
  comment: 'Denied your PR cause I found a hack',
  post: ObjectId("618b54d0b1d15f5e84fdc3e4" )
comments >
```

```
MongoDB Compass - localhost:27017
Connect View Help
Local Collections
>_MONGOSH
  { _id: ObjectId("618b565cb1d15f5e84fdc3e9" ),
    username: 'GoodGuyGreg',
    comment: 'Don\'t violate the licensing agreement!',
    post: ObjectId("618b5494b1d15f5e84fdc3e2" )
> db.comments.find({username:"ScumbagSteve"})
< { _id: ObjectId("618b574b1d15f5e84fdc3ea" ),
  username: 'ScumbagSteve',
  comment: 'It still isn\'t clean',
  post: ObjectId("618b54cb1d15f5e84fdc3e3" )
{ _id: ObjectId("618b57ecb1d15f5e84fdc3eb" ),
  username: 'ScumbagSteve',
  comment: 'Denied your PR cause I found a hack',
  post: ObjectId("618b54d0b1d15f5e84fdc3e4" )
{ _id: ObjectId("618b574b1d15f5e84fdc3ec" ),
  username: 'ScumbagSteve',
  comment: 'Denied your PR cause I found a hack',
  post: ObjectId("618b54d0b1d15f5e84fdc3e4" )
> use posts
< switched to db posts
> db.posts.find({title:"Reports a bug in your code"})
<
> db
< posts
> db.posts.find({title:"Reports a bug in your code"})
< { _id: ObjectId("618b5494b1d15f5e84fdc3e2" ),
  username: 'GoodGuyGreg',
  title: 'Reports a bug in your code',
  body: 'Sends you a pull request' }
posts >
```

```
MongoDB Compass - localhost:27017/movies.movies
Connect View Collection Help
Compass version 1.29.4 is now available! Would you like to install and restart Compass? Read Release Notes
UPDATE COMPASS NOT NOW
Open >_MONGOSH
Documents
zip.json
> use mongo-practice
< switched to db mongo-practice
> use movies
< switched to db movies
> db.zipcode.find({$and:[{"city":"ATLANTA"}, {"state": "GA"}]}).pretty()
1 { "_id": {
2   "id": "01001",
3   "city": "AGAWAM",
4   "loc": [ -72.622739, 42.070206 ],
5   "pop": 15338,
6   "state": "MA"
7 }
8 { "_id": {
9   "id": "01002",
10  "city": "CUSHMAN",
11  "loc": [ -72.51564999999999, 42.377017 ],
12  "pop": 36963,
13  "state": "MA"
14 }
15 { "_id": {
16   "id": "01002",
17   "city": "BLANDFORD",
18   "loc": [ -72.936114, 42.182949 ],
19   "pop": 1240,
20   "state": "MA"
21 }
22 { "_id": {
23   "id": "01007",
24   "city": "ATLANTA",
25   "loc": [ -72.988761, 42.279421 ],
26   "pop": 1688,
27   "state": "GA"
28 }
29 { "_id": {
30   "id": "01011",
31   "city": "ATLANTA",
32   "loc": [ -72.988761, 42.279421 ],
33   "pop": 1688,
34   "state": "GA"
35 }
36 { "_id": {
37   "id": "01001",
38   "city": "AGAWAM",
39   "loc": [ -72.622739, 42.070206 ],
40   "pop": 15338,
41   "state": "MA"
42 }
43 { "_id": {
44   "id": "01007",
45   "city": "BELCHERTOWN",
46   "loc": [ -72.41095300000001, 42.275103 ],
47   "pop": 10579,
48   "state": "MA"
49 }
50 { "_id": {
51   "id": "01007",
52   "city": "ATLANTA",
53   "loc": [ -72.988761, 42.279421 ],
54   "pop": 1688,
55   "state": "GA"
56 }
57 { "_id": {
58   "id": "01008",
59   "city": "ATLANTA",
60   "loc": [ -72.988761, 42.279421 ],
61   "pop": 1688,
62   "state": "GA"
63 }
64 { "_id": {
65   "id": "01005",
66   "city": "BARRE",
67   "loc": [ -72.10835400000001, 42.409698 ],
68   "pop": 4546,
69   "state": "MA"
70 }
71 { "_id": {
72   "id": "01005",
73   "city": "ATLANTA",
74   "loc": [ -72.988761, 42.279421 ],
75   "pop": 1688,
76   "state": "GA"
77 }
78 { "_id": {
79   "id": "01008",
80   "city": "ATLANTA",
81   "loc": [ -72.988761, 42.279421 ],
82   "pop": 1688,
83   "state": "GA"
84 }
85 { "_id": {
86   "id": "01001",
87   "city": "AGAWAM",
88   "loc": [ -72.622739, 42.070206 ],
89   "pop": 15338,
90   "state": "MA"
91 }
92 { "_id": {
93   "id": "01001",
94   "city": "CUSHMAN",
95   "loc": [ -72.51564999999999, 42.377017 ],
96   "pop": 36963,
97   "state": "MA"
98 }
99 { "_id": {
100  "id": "01001",
101  "city": "BLANDFORD",
102  "loc": [ -72.936114, 42.182949 ],
103  "pop": 1240,
104  "state": "MA"
105 }
106 { "_id": {
107  "id": "01007",
108  "city": "ATLANTA",
109  "loc": [ -72.988761, 42.279421 ],
110  "pop": 1688,
111  "state": "GA"
112 }
113 { "_id": {
114  "id": "01008",
115  "city": "ATLANTA",
116  "loc": [ -72.988761, 42.279421 ],
117  "pop": 1688,
118  "state": "GA"
119 }
120 { "_id": {
121  "id": "01005",
122  "city": "BARRE",
123  "loc": [ -72.10835400000001, 42.409698 ],
124  "pop": 4546,
125  "state": "MA"
126 }
127 { "_id": {
128  "id": "01005",
129  "city": "ATLANTA",
130  "loc": [ -72.988761, 42.279421 ],
131  "pop": 1688,
132  "state": "GA"
133 }
134 { "_id": {
135  "id": "01008",
136  "city": "ATLANTA",
137  "loc": [ -72.988761, 42.279421 ],
138  "pop": 1688,
139  "state": "GA"
140 }
141 { "_id": {
142  "id": "01001",
143  "city": "AGAWAM",
144  "loc": [ -72.622739, 42.070206 ],
145  "pop": 15338,
146  "state": "MA"
147 }
148 { "_id": {
149  "id": "01001",
150  "city": "CUSHMAN",
151  "loc": [ -72.51564999999999, 42.377017 ],
152  "pop": 36963,
153  "state": "MA"
154 }
155 { "_id": {
156  "id": "01007",
157  "city": "BELCHERTOWN",
158  "loc": [ -72.41095300000001, 42.275103 ],
159  "pop": 10579,
160  "state": "MA"
161 }
162 { "_id": {
163  "id": "01007",
164  "city": "ATLANTA",
165  "loc": [ -72.988761, 42.279421 ],
166  "pop": 1688,
167  "state": "GA"
168 }
169 { "_id": {
170  "id": "01008",
171  "city": "ATLANTA",
172  "loc": [ -72.988761, 42.279421 ],
173  "pop": 1688,
174  "state": "GA"
175 }
176 { "_id": {
177  "id": "01005",
178  "city": "BARRE",
179  "loc": [ -72.10835400000001, 42.409698 ],
180  "pop": 4546,
181  "state": "MA"
182 }
183 { "_id": {
184  "id": "01005",
185  "city": "ATLANTA",
186  "loc": [ -72.988761, 42.279421 ],
187  "pop": 1688,
188  "state": "GA"
189 }
190 { "_id": {
191  "id": "01008",
192  "city": "ATLANTA",
193  "loc": [ -72.988761, 42.279421 ],
194  "pop": 1688,
195  "state": "GA"
196 }
197 { "_id": {
198  "id": "01001",
199  "city": "AGAWAM",
200  "loc": [ -72.622739, 42.070206 ],
201  "pop": 15338,
202  "state": "MA"
203 }
204 { "_id": {
205  "id": "01001",
206  "city": "CUSHMAN",
207  "loc": [ -72.51564999999999, 42.377017 ],
208  "pop": 36963,
209  "state": "MA"
210 }
211 { "_id": {
212  "id": "01007",
213  "city": "BELCHERTOWN",
214  "loc": [ -72.41095300000001, 42.275103 ],
215  "pop": 10579,
216  "state": "MA"
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218 { "_id": {
219  "id": "01007",
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222  "pop": 1688,
223  "state": "GA"
224 }
225 { "_id": {
226  "id": "01008",
227  "city": "ATLANTA",
228  "loc": [ -72.988761, 42.279421 ],
229  "pop": 1688,
230  "state": "GA"
231 }
232 { "_id": {
233  "id": "01005",
234  "city": "BARRE",
235  "loc": [ -72.10835400000001, 42.409698 ],
236  "pop": 4546,
237  "state": "MA"
238 }
239 { "_id": {
240  "id": "01005",
241  "city": "ATLANTA",
242  "loc": [ -72.988761, 42.279421 ],
243  "pop": 1688,
244  "state": "GA"
245 }
246 { "_id": {
247  "id": "01008",
248  "city": "ATLANTA",
249  "loc": [ -72.988761, 42.279421 ],
250  "pop": 1688,
251  "state": "GA"
252 }
253 { "_id": {
254  "id": "01001",
255  "city": "AGAWAM",
256  "loc": [ -72.622739, 42.070206 ],
257  "pop": 15338,
258  "state": "MA"
259 }
260 { "_id": {
261  "id": "01001",
262  "city": "CUSHMAN",
263  "loc": [ -72.51564999999999, 42.377017 ],
264  "pop": 36963,
265  "state": "MA"
266 }
267 { "_id": {
268  "id": "01007",
269  "city": "BELCHERTOWN",
270  "loc": [ -72.41095300000001, 42.275103 ],
271  "pop": 10579,
272  "state": "MA"
273 }
274 { "_id": {
275  "id": "01007",
276  "city": "ATLANTA",
277  "loc": [ -72.988761, 42.279421 ],
278  "pop": 1688,
279  "state": "GA"
280 }
281 { "_id": {
282  "id": "01008",
283  "city": "ATLANTA",
284  "loc": [ -72.988761, 42.279421 ],
285  "pop": 1688,
286  "state": "GA"
287 }
288 { "_id": {
289  "id": "01005",
290  "city": "BARRE",
291  "loc": [ -72.10835400000001, 42.409698 ],
292  "pop": 4546,
293  "state": "MA"
294 }
295 { "_id": {
296  "id": "01005",
297  "city": "ATLANTA",
298  "loc": [ -72.988761, 42.279421 ],
299  "pop": 1688,
300  "state": "GA"
301 }
302 { "_id": {
303  "id": "01008",
304  "city": "ATLANTA",
305  "loc": [ -72.988761, 42.279421 ],
306  "pop": 1688,
307  "state": "GA"
308 }
309 { "_id": {
310  "id": "01001",
311  "city": "AGAWAM",
312  "loc": [ -72.622739, 42.070206 ],
313  "pop": 15338,
314  "state": "MA"
315 }
316 { "_id": {
317  "id": "01001",
318  "city": "CUSHMAN",
319  "loc": [ -72.51564999999999, 42.377017 ],
320  "pop": 36963,
321  "state": "MA"
322 }
323 { "_id": {
324  "id": "01007",
325  "city": "BELCHERTOWN",
326  "loc": [ -72.41095300000001, 42.275103 ],
327  "pop": 10579,
328  "state": "MA"
329 }
330 { "_id": {
331  "id": "01007",
332  "city": "ATLANTA",
333  "loc": [ -72.988761, 42.279421 ],
334  "pop": 1688,
335  "state": "GA"
336 }
337 { "_id": {
338  "id": "01008",
339  "city": "ATLANTA",
340  "loc": [ -72.988761, 42.279421 ],
341  "pop": 1688,
342  "state": "GA"
343 }
344 { "_id": {
345  "id": "01005",
346  "city": "BARRE",
347  "loc": [ -72.10835400000001, 42.409698 ],
348  "pop": 4546,
349  "state": "MA"
350 }
351 { "_id": {
352  "id": "01005",
353  "city": "ATLANTA",
354  "loc": [ -72.988761, 42.279421 ],
355  "pop": 1688,
356  "state": "GA"
357 }
358 { "_id": {
359  "id": "01008",
360  "city": "ATLANTA",
361  "loc": [ -72.988761, 42.279421 ],
362  "pop": 1688,
363  "state": "GA"
364 }
365 { "_id": {
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367  "city": "AGAWAM",
368  "loc": [ -72.622739, 42.070206 ],
369  "pop": 15338,
370  "state": "MA"
371 }
372 { "_id": {
373  "id": "01001",
374  "city": "CUSHMAN",
375  "loc": [ -72.51564999999999, 42.377017 ],
376  "pop": 36963,
377  "state": "MA"
378 }
379 { "_id": {
380  "id": "01007",
381  "city": "BELCHERTOWN",
382  "loc": [ -72.41095300000001, 42.275103 ],
383  "pop": 10579,
384  "state": "MA"
385 }
386 { "_id": {
387  "id": "01007",
388  "city": "ATLANTA",
389  "loc": [ -72.988761, 42.279421 ],
390  "pop": 1688,
391  "state": "GA"
392 }
393 { "_id": {
394  "id": "01008",
395  "city": "ATLANTA",
396  "loc": [ -72.988761, 42.279421 ],
397  "pop": 1688,
398  "state": "GA"
399 }
400 { "_id": {
401  "id": "01005",
402  "city": "BARRE",
403  "loc": [ -72.10835400000001, 42.409698 ],
404  "pop": 4546,
405  "state": "MA"
406 }
407 { "_id": {
408  "id": "01005",
409  "city": "ATLANTA",
410  "loc": [ -72.988761, 42.279421 ],
411  "pop": 1688,
412  "state": "GA"
413 }
414 { "_id": {
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416  "city": "ATLANTA",
417  "loc": [ -72.988761, 42.279421 ],
418  "pop": 1688,
419  "state": "GA"
420 }
421 { "_id": {
422  "id": "01001",
423  "city": "AGAWAM",
424  "loc": [ -72.622739, 42.070206 ],
425  "pop": 15338,
426  "state": "MA"
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429  "id": "01001",
430  "city": "CUSHMAN",
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433  "state": "MA"
434 }
435 { "_id": {
436  "id": "01007",
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438  "loc": [ -72.41095300000001, 42.275103 ],
439  "pop": 10579,
440  "state": "MA"
441 }
442 { "_id": {
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445  "loc": [ -72.988761, 42.279421 ],
446  "pop": 1688,
447  "state": "GA"
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449 { "_id": {
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454  "state": "GA"
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456 { "_id": {
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463 { "_id": {
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466  "loc": [ -72.988761, 42.279421 ],
467  "pop": 1688,
468  "state": "GA"
469 }
470 { "_id": {
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472  "city": "ATLANTA",
473  "loc": [ -72.988761, 42.279421 ],
474  "pop": 1688,
475  "state": "GA"
476 }
477 { "_id": {
478  "id": "01001",
479  "city": "AGAWAM",
480  "loc": [ -72.622739, 42.070206 ],
481  "pop": 15338,
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483 }
484 { "_id": {
485  "id": "01001",
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491 { "_id": {
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494  "loc": [ -72.41095300000001, 42.275103 ],
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498 { "_id": {
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500  "city": "ATLANTA",
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505 { "_id": {
506  "id": "01008",
507  "city": "ATLANTA",
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512 { "_id": {
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516  "pop": 4546,
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522  "loc": [ -72.988761, 42.279421 ],
523  "pop": 1688,
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526 { "_id": {
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528  "city": "ATLANTA",
529  "loc": [ -72.988761, 42.279421 ],
530  "pop": 1688,
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533 { "_id": {
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537  "pop": 15338,
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540 { "_id": {
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543  "loc": [ -72.51564999999999, 42.377017 ],
544  "pop": 36963,
545  "state": "MA"
546 }
547 { "_id": {
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549  "city": "BELCHERTOWN",
550  "loc": [ -72.41095300000001, 42.275103 ],
551  "pop": 10579,
552  "state": "MA"
553 }
554 { "_id": {
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556  "city": "ATLANTA",
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561 { "_id": {
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575 { "_id": {
576  "id": "01005",
577  "city": "ATLANTA",
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580  "state": "GA"
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594  "state": "MA"
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596 { "_id": {
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616 }
617 { "_id": {
618  "id": "01008",
619  "city": "ATLANTA",
620  "loc": [ -72.988761, 42.279421 ],
621  "pop": 1688,
622  "state": "GA"
623 }
624 { "_id": {
625  "id": "01005",
626  "city": "BARRE",
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628  "pop": 4546,
629  "state": "MA"
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631 { "_id": {
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641  "loc": [ -72.988761, 42.279421 ],
642  "pop": 1688,
643  "state": "GA"
644 }
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652 { "_id": {
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663  "pop": 10579,
664  "state": "MA"
665 }
666 { "_id": {
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668  "city": "ATLANTA",
669  "loc": [ -72.988761, 42.279421 ],
670  "pop": 1688,
671  "state": "GA"
672 }
673 { "_id": {
674  "id": "01008",
675  "city": "ATLANTA",
676  "loc": [ -72.988761, 42.279421 ],
677  "pop": 1688,
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679 }
680 { "_id": {
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687 { "_id": {
688  "id": "01005",
689  "city": "ATLANTA",
690  "loc": [ -72.988761, 42.279421 ],
691  "pop": 1688,
692  "state": "GA"
693 }
694 { "_id": {
695  "id": "01008",
696  "city": "ATLANTA",
697  "loc": [ -72.988761, 42.279421 ],
698  "pop": 1688,
699  "state": "GA"
700 }
701 { "_id": {
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708 { "_id": {
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713  "state": "MA"
714 }
715 { "_id": {
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717  "city": "BELCHERTOWN",
718  "loc": [ -72.41095300000001, 42.275103 ],
719  "pop": 10579,
720  "state": "MA"
721 }
722 { "_id": {
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725  "loc": [ -72.988761, 42.279421 ],
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727  "state": "GA"
728 }
729 { "_id": {
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733  "pop": 1688,
734  "state": "GA"
735 }
736 { "_id": {
737  "id": "01005",
738  "city": "BARRE",
739  "loc": [ -72.10835400000001, 42.409698 ],
740  "pop": 4546,
741  "state": "MA"
742 }
743 { "_id": {
744  "id": "01005",
745  "city": "ATLANTA",
746  "loc": [ -72.988761, 42.279421 ],
747  "pop": 1688,
748  "state": "GA"
749 }
750 { "_id": {
751  "id": "01008",
752  "city": "ATLANTA",
753  "loc": [ -72.988761, 42.279421 ],
754  "pop": 1688,
755  "state": "GA"
756 }
757 { "_id": {
758  "id": "01001",
759  "city": "AGAWAM",
760  "loc": [ -72.622739, 42.070206 ],
761  "pop": 15338,
762  "state": "MA"
763 }
764 { "_id": {
765  "id": "01001",
766  "city": "CUSHMAN",
767  "loc": [ -72.51564999999999, 42.377017 ],
768  "pop": 36963,
769  "state": "MA"
770 }
771 { "_id": {
772  "id": "01007",
773  "city": "BELCHERTOWN",
774  "loc": [ -72.41095300000001, 42.275103 ],
775  "pop": 10579,
776  "state": "MA"
777 }
778 { "_id": {
779  "id": "01007",
780  "city": "ATLANTA",
781  "loc": [ -72.988761, 42.279421 ],
782  "pop": 1688,
783  "state": "GA"
784 }
785 { "_id": {
786  "id": "01008",
787  "city": "ATLANTA",
788  "loc": [ -72.988761, 42.279421 ],
789  "pop": 1688,
790  "state": "GA"
791 }
792 { "_id": {
793  "id": "01005",
794  "city": "BARRE",
795  "loc": [ -72.10835400000001, 42.409698 ],
796  "pop": 4546,
797  "state": "MA"
798 }
799 { "_id": {
800  "id": "01005",
801  "city": "ATLANTA",
802  "loc": [ -72.988761, 42.279421 ],
803  "pop": 1688,
804  "state": "GA"
805 }
806 { "_id": {
807  "id": "01008",
808  "city": "ATLANTA",
809  "loc": [ -72.988761, 42.279421 ],
810  "pop": 1688,
811  "state": "GA"
812 }
813 { "_id": {
814  "id": "01001",
815  "city": "AGAWAM",
816  "loc": [ -72.622739, 42.070206 ],
817  "pop": 15338,
818  "state": "MA"
819 }
820 { "_id": {
821  "id": "01001",
822  "city": "CUSHMAN",
823  "loc": [ -72.51564999999999, 42.377017 ],
824  "pop": 36963,
825  "state": "MA"
826 }
827 { "_id": {
828  "id": "01007",
829  "city": "BELCHERTOWN",
830  "loc": [ -72.41095300000001, 42.275103 ],
831  "pop": 10579,
832  "state": "MA"
833 }
834 { "_id": {
835  "id": "01007",
836  "city": "ATLANTA",
837  "loc": [ -72.988761, 42.279421 ],
838  "pop": 1688,
839  "state": "GA"
840 }
841 { "_id": {
842  "id": "01008",
843  "city": "ATLANTA",
844 
```

MongoDB Compass - localhost:27017/movies.movies

Connect View Collection Help

Compass version 1.29.4 is now available! Would you like to install and restart Compass? Read Release Notes

UPDATE COMPASS NOT NOW

>\_MONGOSH

```
zip.json
1 { "_id": { "pop": 15338, "state": "MA" }
2 { "_id": { "city": "BELCHERTOWN", "loc": [ -72.410953, 42.275103 ], "pop": 10578, "state": "MA" }
3 { "_id": { "city": "BARRE", "loc": [ -72.108354, 42.409698 ], "pop": 4546, "state": "MA" }
4 { "_id": { "city": "ATLANTA", "loc": [ -72.988761, 42.279421 ], "pop": 1688, "state": "GA" }
5 { "_id": { "title": "Fight Club", "writer": "Chuck Palahniuk", "year": 1999, "actors": [ "Brad Pitt", "Edward Norton" ] }, "loc": [ -72.936114, 42.182949 ], "pop": 1240, "state": "MA" }
6 { "_id": { "title": "Pulp Fiction", "writer": "Quentin Tarantino", "year": 2009, "actors": [ "Uma Thurman", "John Travolta" ] }, "loc": [ -72.978008, 42.182949 ], "pop": 1240, "state": "MA" }
7 { "_id": { "title": "Inglourious Basterds", "writer": "Quentin Tarantino", "year": 2009, "actors": [ "Eli Roth", "Brad Pitt" ] }, "loc": [ -72.978008, 42.182949 ], "pop": 1240, "state": "MA" }
8 { "_id": { "title": "The Hobbit: An unexpected Journey", "writer": "J.R.R. Tolkien", "year": 2012, "franchises": "The Hobbit", "synopsis": "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.", "actors": [ "Samuel L. Jackson" ] }, "loc": [ -72.978008, 42.182949 ], "pop": 1240, "state": "MA" }
9 { "_id": { "title": "The Hobbit: The Desolation of Smaug", "writer": "J.R.R. Tolkien", "year": 2013, "franchises": "The Hobbit", "synopsis": "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.", "actors": [ "Samuel L. Jackson" ] }, "loc": [ -72.978008, 42.182949 ], "pop": 1240, "state": "MA" }
```

1 of 1

MongoDB Compass - localhost:27017/movies.movies

Connect View Collection Help

Compass version 1.29.4 is now available! Would you like to install and restart Compass? Read Release Notes

UPDATE COMPASS NOT NOW

>\_MONGOSH

```
zip.json
1 { "_id": { "year": 1999, "actors": [ "Brad Pitt", "Edward Norton" ] }
2 { "_id": { "title": "Fight Club", "writer": "Chuck Palahniuk", "year": 1999, "actors": [ "Brad Pitt", "Edward Norton" ] }
3 { "_id": { "title": "Pulp Fiction", "writer": "Quentin Tarantino", "year": 2009, "actors": [ "Uma Thurman", "John Travolta" ] }
4 { "_id": { "title": "Inglourious Basterds", "writer": "Quentin Tarantino", "year": 2009, "actors": [ "Eli Roth", "Brad Pitt" ] }
5 { "_id": { "title": "The Hobbit: An unexpected Journey", "writer": "J.R.R. Tolkien", "year": 2012, "franchises": "The Hobbit", "synopsis": "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.", "actors": [ "Samuel L. Jackson" ] }
6 { "_id": { "title": "The Hobbit: The Desolation of Smaug", "writer": "J.R.R. Tolkien", "year": 2013, "franchises": "The Hobbit", "synopsis": "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.", "actors": [ "Samuel L. Jackson" ] }}
```

1 of 1

```
iTransform: NoSQL MongoDB Compass - localhost:27017/movies.movies
Connect View Collection Help
Compass version 1.29.4 is now available! Would you like to install and restart Compass? Read Release Notes
UPDATE COMPASS NOT NOW
Open > MONGOSH
zip.json
>_MONGOSH
{
  "_id": ObjectId("618b44dbb1d15f5e84fdc3d7"),
  "title": "The Hobbit: The Desolation of Smaug",
  "writer": "J.R.R Tolkien",
  "year": "2013",
  "franchise": "The Hobbit",
  "synopsis": "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug."
},
{
  "_id": ObjectId("618b451fb1d15f5e84fdc3d8"),
  "title": "The Hobbit: The Desolation of Smaug",
  "writer": "J.R.R Tolkien",
  "year": "2002",
  "franchise": "The Hobbit",
  "synopsis": "Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness."
},
{
  "_id": ObjectId("618b455bb1d15f5e84fdc3db"),
  "title": "Fight Club",
  "writer": "Chuck Palahniuk",
  "year": "1999",
  "actors": ["Brad Pitt", "Edward Norton"]
},
{
  "_id": ObjectId("618b4f74b1d15f5e84fdc3dc"),
  "title": "Pulp Fiction",
  "writer": "Quentin Tarantino",
  "year": "2009",
  "actors": ["John Travolta", "Uma Thurman"]
},
{
  "_id": ObjectId("618b4f84b1d15f5e84fdc3dd"),
  "title": "Pulp Fiction",
  "writer": "Quentin Tarantino",
  "year": "2009",
  "actors": ["John Travolta", "Uma Thurman"]
}
]
1 of 1 17:06 14-11-2021
```

```
iTransform: NoSQL MongoDB Compass - localhost:27017/movies.movies
Connect View Collection Help
Compass version 1.29.4 is now available! Would you like to install and restart Compass? Read Release Notes
UPDATE COMPASS NOT NOW
Open > MONGOSH
zip.json
>_MONGOSH
{
  "writer": "Quentin Tarantino",
  "year": "2009",
  "actors": ["John Travolta", "Uma Thurman"]
},
{
  "_id": ObjectId("618b4fc6b1d15f5e84fdc3de"),
  "title": "Inglourious Basterds",
  "writer": "Quentin Tarantino",
  "year": "2009",
  "actors": ["Brad Pitt", "Diane Kruger", "Eli Roth"]
},
{
  "_id": ObjectId("618b4fd7b1d15f5e84fdc3df"),
  "title": "Inglourious Basterds",
  "writer": "Quentin Tarantino",
  "year": "2009",
  "actors": ["Brad Pitt", "Diane Kruger", "Eli Roth"]
}
> db.movies.aggregate([{$group:{_id:{state:"$state"},population:{$sum:"$pop"}},{$sort:{population:-1}}])
{
  "_id": { state: "MA" }, population: 68666
},
{
  "_id": { state: "GA" }, population: 1688
},
{
  "_id": { _id: null }, population: 0
}
> db.movies.aggregate([{$group:{_id:(state:"$state"),population:{$sum:"$pop"}},{$sort:{population:-1}},{$limit:3}})
{
  "_id": { state: "MA" }, population: 68666
},
{
  "_id": { state: "GA" }, population: 1688
},
{
  "_id": { _id: null }, population: 0
}
> db.movies.aggregate([{$group:{_id:{city:"$city",state:"$state"},population:{$sum:"$pop"}},{$sort:{population:-1}}])
SyntaxError: Unexpected token (1:41)
{
  "_id": {
    "city": "CUSHMAN",
    "state": "MA"
  },
  "population": 36963
}
1 of 1 17:06 14-11-2021
```

The screenshot shows a MongoDB Compass interface with the following details:

- URL:** MongoDB Compass - localhost:27017/movies.movies
- Toolbar:** Connect, View, Collection, Help, UPDATE COMPASS, NOT NOW
- Left Panel:** Shows a tree view with "zip.json" selected, displaying a JSON document structure.
- Right Panel:** Shows the results of a MongoDB query. The results are displayed in a table with columns: \_id, city, state, population, and movies.
- Bottom Status Bar:** Shows system icons, a search bar with placeholder "Type here to search", and a status message "17:07 14-11-2021 ENG".

The main content area displays the following MongoDB query and its results:

```
>_MONGOSH
zip.json
{
  "year": "2009",
  "actors": [ "Brad Pitt", "Diane Kruger", "Eli Roth" ],
  "_id": ObjectId("61b84fd7bd1d5f5e84fdc3df"),
  "title": "Inglourious Basterds",
  "writer": "Quentin Tarantino",
  "year": "2009",
  "actors": [ "Brad Pitt", "Diane Kruger", "Eli Roth" ]
}
db.movies.aggregate([
  { $group: { _id: { state: "$state" }, population: { $sum: "$pop" } } },
  { $sort: { population: -1 } }
])
[{"_id": {"state": "MA"}, "population": 68666}, {"_id": {"state": "GA"}, "population": 1688}, {"_id": {"state": null}, "population": 0}]

db.movies.aggregate([
  { $group: { _id: { state: "$state" }, population: { $sum: "$pop" } } },
  { $sort: { population: -1 } },
  { $limit: 3 }
])
[{"_id": {"state": "MA"}, "population": 68666}, {"_id": {"state": "GA"}, "population": 1688}, {"_id": {"state": null}, "population": 0}]

db.movies.aggregate([
  { $group: { _id: { city: "$city", state: "$state" }, population: { $sum: "$pop" } } }
])
[{"_id": {"city": "CUSHMAN", "state": "MA"}, "population": 36963}, {"_id": {"city": "BLANDFORD", "state": "MA"}, "population": 1240}, {"_id": {"city": "BARRE", "state": "MA"}, "population": 4546}, {"_id": {"city": "ATLANTA", "state": "GA"}, "population": 1688}, {"_id": {"city": "BELCHERTOWN", "state": "MA"}, "population": 10579}, {"_id": {"city": "AGAWAM", "state": "MA"}, "population": 15338}]

SyntaxError: Unexpected token (1:41)
> 1 | db.movies.aggregate([
  { $group: { _id: { city: "$city", state: "$state" }, population: { $sum: "$pop" } } }
])
^

db.movies.aggregate([
  { $group: { _id: { city: "$city", state: "$state" }, population: { $sum: "$pop" } } }
])
[{"_id": {"city": "CUSHMAN", "state": "MA"}, "population": 36963}, {"_id": {"city": "BLANDFORD", "state": "MA"}, "population": 1240}, {"_id": {"city": "BARRE", "state": "MA"}, "population": 4546}, {"_id": {"city": "ATLANTA", "state": "GA"}, "population": 1688}, {"_id": {"city": "BELCHERTOWN", "state": "MA"}, "population": 10579}, {"_id": {"city": "AGAWAM", "state": "MA"}, "population": 15338}]

SyntaxError: Unexpected token (1:41)
```