

```
db.movies.insert({"title":"Flight Club", "Writer":"chuck Palahniuko", "Year":1999, "Actors":["Brad Pitt","Edward Norton"]})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.movies.insert({"title":"Pulp Fiction", "Writer":"Quentin Tarantino", "Year":1994, "Actors":["John Travolta", "Uma Thurman"]})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.movies.insert({"title": "Inglorious Basterds", "Writer": "Quentin Tarantino", "Year":2009, "Actors":["Brad Pitt", "Diane Kruger", "Eli Roth"]})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.movies.insert({"title": "The Hobbit:An Unexpected Journey", "Writer": "J.R.R. Tolkien", "Year":2012, "franchise": "The Hobbit"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.movies.insert({"title": "The Hobbit:The Desolation of Smaug", "Writer": "J.R.R. Tolkien", "Year":2013, "franchise": "The Hobbit"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.movies.insert({"title": "The Hobbit:The Battle of the Five Armies", "Writer": "J.R.R. Tolkien", "Year":2012, "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"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.movies.insert({"title": "Pee Wee Herman's Big Adventure"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.movies.insert({"title": "Avatar"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.movies.find()
```

```
{ "_id" : ObjectId("60001d4d4faab72ff9776728"), "title" : "Flight Club", "Writer" : "chuck Palahniuko", "Year" : 1999, "Actors" : [ "Brad Pitt", "Edward Norton" ] }
```

```
{ "_id" : ObjectId("60001d6d4faab72ff9776729"), "title" : "Pulp Fiction", "Writer" : "Quentin Tarantino", "Year" : 1994, "Actors" : [ "John Travolta", "Uma Thurman" ] }
```

```
{ "_id" : ObjectId("60001d8c4faab72ff977672a"), "title" : "Inglorious Basterds", "Writer" : "Quentin Tarantino", "Year" : 2009, "Actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }
```

```
{ "_id" : ObjectId("60001e424faab72ff977672b"), "title" : "The Hobbit:An Unexpected Journey", "Writer" : "J.R.R. Tolkien", "Year" : 2012, "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("60001ebcfaaab72ff977672c"), "title" : "The Hobbit:The Desolation of Smaug",  
"Writer" : "J.R.R. Tolkein", "Year" : 2013, "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("60001fe1faaab72ff977672d"), "title" : "The Hobbit:The Battle of the Five Armies",  
"Writer" : "J.R.R. Tolkein", "Year" : 2012, "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("60002027faaab72ff977672e"), "title" : "Pee Wee Herman's Big Adventure" }
```

```
{ "_id" : ObjectId("6000203bfaaab72ff977672f"), "title" : "Avatar" }
```

```
> db.movies.find().pretty()
```

```
{  
  "_id" : ObjectId("60001d4d4faaab72ff9776728"),  
  "title" : "Flight Club",  
  "Writer" : "chuck Palahniuko",  
  "Year" : 1999,  
  "Actors" : [  
    "Brad Pitt",  
    "Edward Norton"  
  ]  
}
```

```
{  
  "_id" : ObjectId("60001d6d4faaab72ff9776729"),  
  "title" : "Pulp Fiction",  
  "Writer" : "Quentin Tarantino",  
  "Year" : 1994,  
  "Actors" : [  
    "John Travolta",  
    "Uma Thurman"  
  ]  
}
```

```
}
```

```
{
```

```
"_id" : ObjectId("60001d8cfaaab72ff977672a"),
"title" : "Inglorious Basterds",
"Writer" : "Quetin Tarantino",
"Year" : 2009,
"Actors" : [
    "Brad Pitt",
    "Diane Kruger",
    "Eli roth"
]
}
{
    "_id" : ObjectId("60001e42faaab72ff977672b"),
    "title" : "The Hobbit:An Unexpected Journey",
    "Writer" : "J.R.R. Tolkein",
    "Year" : 2012,
    "franchise" : "The Hobbit"
}
{
    "_id" : ObjectId("60001ebcfaaab72ff977672c"),
    "title" : "The Hobbit:The Desolation of Smaug",
    "Writer" : "J.R.R. Tolkein",
    "Year" : 2013,
    "franchise" : "The Hobbit"
}
{
    "_id" : ObjectId("60001fe1faaab72ff977672d"),
    "title" : "The Hobbit:The Battle of the Five Armies",
    "Writer" : "J.R.R. Tolkein",
    "Year" : 2012,
```

```

    "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("60002027faaab72ff977672e"),
    "title" : "Pee Wee Herman's Big Adventure"
}
{ "_id" : ObjectId("6000203bfaaab72ff977672f"), "title" : "Avatar" }
> db.movies.findOne({"Writer": "Quentin Tarantino"})
{
    "_id" : ObjectId("6000117cfaaab72ff9776724"),
    "title" : "Pulp Fiction",
    "Writer" : "Quentin Tarantino",
    "year" : 1994,
    "actors" : [
        " John Travolta",
        " Uma Thurman"
    ]
}
> db.movies.findOne({"Actors": "Brad Pitt"})
{
    "_id" : ObjectId("60001d4dfaaab72ff9776728"),
    "title" : "Flight Club",
    "Writer" : "chuck Palahniuko",
    "Year" : 1999,
    "Actors" : [
        "Brad Pitt",
        "Edward Norton"
    ]
}

```

```

    ]
  }
> db.movies.findOne({"franchise": "The Hobbit"})
{
  "_id" : ObjectId("60001e42faaab72ff977672b"),
  "title" : "The Hobbit:An Unexpected Journey",
  "Writer" : "J.R.R. Tolkein",
  "Year" : 2012,
  "franchise" : "The Hobbit"
}
> db.movies.findOne({$and:[{"Year": {$gt:2000}}, {"Year": {$lt:2010}}]})
{
  "_id" : ObjectId("60001d8cfaaab72ff977672a"),
  "title" : "Inglorious Basterds",
  "Writer" : "Quetin Tarantino",
  "Year" : 2009,
  "Actors" : [
    "Brad Pitt",
    "Diane Kruger",
    "Eli roth"
  ]
}
> db.movies.findOne({$and:[{"Year": {$gt:1900}}, {"Year": {$lt:2000}}]})
{
  "_id" : ObjectId("60001d4dfaaab72ff9776728"),
  "title" : "Flight Club",
  "Writer" : "chuck Palahniuko",
  "Year" : 1999,
  "Actors" : [

```

```

    "Brad Pitt",
    "Edward Norton"
  ]
}

```

```

> db.movies.update({"title": "The Hobbit:An unexpected Journey"},{$set:{"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."}})

```

uncaught exception: SyntaxError: missing } after property list :

```
@(shell):1:85
```

```

> db.movies.update({"title": "The Hobbit:An unexpected Journey"},{$set:{"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."}})

```

```
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
```

```
> db.movies.find()
```

```
{ "_id" : ObjectId("6000108dfaaab72ff9776723"), "title" : "Fight Club", "Writer" : "Chuck Palahniuko",
"year" : 1999, "actors" : [ " Brad Pitt", " Edward Norton" ] }
```

```
{ "_id" : ObjectId("6000117cfaaab72ff9776724"), "title" : "Pulp Fiction", "Writer" : "Quentin Tarantino",
"year" : 1994, "actors" : [ " John Travolta", " Uma Thurman" ] }
```

```
{ "_id" : ObjectId("600011b3faaab72ff9776725"), "title" : "Pulp Fiction", "Writer" : "Quentin Tarantino",
"year" : 1994, "actors" : [ " John Travolta", " Uma Thurman" ] }
```

```
{ "_id" : ObjectId("60001327faaab72ff9776726"), "title" : "The Hobbit: An unexpected Journey",
"Writer" : "J.R.R. Tolkein", "year" : 2014, "actors" : [ "BRad Pitt", " Diane Kruger", " Eli Roth" ] }
```

```
{ "_id" : ObjectId("60001452faaab72ff9776727"), "title" : "The Hobbit: An unexpected Journey",
"Writer" : "J.R.R. Tolkein", "year" : 2012, "franchise" : [ "J.R.R. Tolkein" ] }
```

```
{ "_id" : ObjectId("60001d4d faaab72ff9776728"), "title" : "Flight Club", "Writer" : "chuck Palahniuko",
"Year" : 1999, "Actors" : [ "Brad Pitt", "Edward Norton" ] }
```

```
{ "_id" : ObjectId("60001d6d faaab72ff9776729"), "title" : "Pulp Fiction", "Writer" : "Quentin Tarantino",
"Year" : 1994, "Actors" : [ "John Travolta", "Uma Thurman" ] }
```

```
{ "_id" : ObjectId("60001d8cfaaab72ff977672a"), "title" : "Inglorious Basterds", "Writer" : "Quetin
Tarantino", "Year" : 2009, "Actors" : [ "Brad Pitt", "Diane Kruger", "Eli roth" ] }
```

```
{ "_id" : ObjectId("60001e42faaab72ff977672b"), "title" : "The Hobbit:An Unexpected Journey", "Writer"
: "J.R.R. Tolkein", "Year" : 2012, "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("60001ebcfaaab72ff977672c"), "title" : "The Hobbit:The Desolation of Smaug",
"Writer" : "J.R.R. Tolkein", "Year" : 2013, "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("60001fe1faaab72ff977672d"), "title" : "The Hobbit:The Battle of the Five Armies",  
"Writer" : "J.R.R. Tolkein", "Year" : 2012, "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("60002027faaab72ff977672e"), "title" : "Pee Wee Herman's Big Adventure" }
```

```
{ "_id" : ObjectId("6000203bfaaab72ff977672f"), "title" : "Avatar" }
```

```
> db.movies.updateOne({"title": "The Hobbit:An Unexpected Journey"},{$set:{"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"}})
```

```
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
```

```
> db.movies.updateOne({"title": "The Hobbit:The Desolation of Smaug"},{$set:{"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"}})
```

```
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
```

```
> db.movies.updateOne({"title": "Pulp Fiction"},{$set:{"Actors": "Samuel L.Jackson"}})
```

```
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
```

```
> db.movies.find()
```

```
{ "_id" : ObjectId("6000108dfaaab72ff9776723"), "title" : "Fight Club", "Writer" : "Chuck Palahniuko",  
"year" : 1999, "actors" : [ " Brad Pitt", " Edward Norton" ] }
```

```
{ "_id" : ObjectId("6000117cfaaab72ff9776724"), "title" : "Pulp Fiction", "Writer" : "Quentin Tarantino",  
"year" : 1994, "actors" : [ " John Travolta", " Uma Thurman" ], "Actors" : "Samuel L.Jackson" }
```

```
{ "_id" : ObjectId("60001d8cfaaab72ff977672a"), "title" : "Inglorious Basterds", "Writer" : "Quetin  
Tarantino", "Year" : 2009, "Actors" : [ "Brad Pitt", "Diane Kruger", "Eli roth" ] }
```

```
{ "_id" : ObjectId("60001e42faaab72ff977672b"), "title" : "The Hobbit:An Unexpected Journey", "Writer"  
: "J.R.R. Tolkein", "Year" : 2012, "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("60001ebcfaaab72ff977672c"), "title" : "The Hobbit:The Desolation of Smaug",  
"Writer" : "J.R.R. Tolkein", "Year" : 2013, "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" }
```

```
{ "_id" : ObjectId("60001fe1faaab72ff977672d"), "title" : "The Hobbit:The Battle of the Five Armies",  
"Writer" : "J.R.R. Tolkein", "Year" : 2012, "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("60002027faaab72ff977672e"), "title" : "Pee Wee Herman's Big Adventure" }
{ "_id" : ObjectId("6000203bfaaab72ff977672f"), "title" : "Avatar" }
```

```
db.movies.createIndex({movies_text:"text"})
```

```
{
  "numIndexesBefore" : 2,
  "numIndexesAfter" : 2,
  "note" : "all indexes already exist",
  "ok" : 1
}
```

```
> db.movies.find({synopsis:{regex:"Bilbo"}})
```

```
> db.movies.find({synopsis:{$regex:"Bilbo"}})
```

```
{ "_id" : ObjectId("60001e42faaab72ff977672b"), "title" : "The Hobbit:An Unexpected Journey", "Writer"
: "J.R.R. Tolkein", "Year" : 2012, "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("60001ebcfaaab72ff977672c"), "title" : "The Hobbit:The Desolation of Smaug",
"Writer" : "J.R.R. Tolkein", "Year" : 2013, "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" }
```

```
{ "_id" : ObjectId("60001fe1faaab72ff977672d"), "title" : "The Hobbit:The Battle of the Five Armies",
"Writer" : "J.R.R. Tolkein", "Year" : 2012, "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:"Bilbo"}}).pretty()
```

```
{
  "_id" : ObjectId("60001e42faaab72ff977672b"),
  "title" : "The Hobbit:An Unexpected Journey",
  "Writer" : "J.R.R. Tolkein",
  "Year" : 2012,
  "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("60001ebcfaaab72ff977672c"),

"title" : "The Hobbit:The Desolation of Smaug",

"Writer" : "J.R.R. Tolkein",

"Year" : 2013,

"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"

}

{

"\_id" : ObjectId("60001fe1faaab72ff977672d"),

"title" : "The Hobbit:The Battle of the Five Armies",

"Writer" : "J.R.R. Tolkein",

"Year" : 2012,

"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"}}).pretty()

{

"\_id" : ObjectId("60001ebcfaaab72ff977672c"),

"title" : "The Hobbit:The Desolation of Smaug",

"Writer" : "J.R.R. Tolkein",

"Year" : 2013,

"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"
```

```
}
```

```
> db.movies.find({$and:[{synopsis:{$regex:"Bilbo"}},{synopsis:{$not:/Gandalf/}}]}.pretty()
```

```
... }
```

```
... )
```

```
uncaught exception: TypeError: [...].pretty is not a function :
```

```
@(shell):1:22
```

```
> db.movies.find({$and:[{synopsis:{$regex:"Bilbo"}},{synopsis:{$not:/Gandalf/}}]}).pretty()
```

```
{
```

```
  "_id" : ObjectId("60001e42faaab72ff977672b"),
```

```
  "title" : "The Hobbit:An Unexpected Journey",
```

```
  "Writer" : "J.R.R. Tolkein",
```

```
  "Year" : 2012,
```

```
  "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("60001fe1faaab72ff977672d"),
```

```
  "title" : "The Hobbit:The Battle of the Five Armies",
```

```
  "Writer" : "J.R.R. Tolkein",
```

```
  "Year" : 2012,
```

```
  "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({$and:[{synopsis:{$regex:"gold"}},{synopsis:{$regex:"dragon"}}]}).pretty()
```

```
{
```

```

    "_id" : ObjectId("60001e42faaab72ff977672b"),
    "title" : "The Hobbit:An Unexpected Journey",
    "Writer" : "J.R.R. Tolkein",
    "Year" : 2012,
    "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.remove({"title": "Pee Wee Herman's Big Adventure"})
WriteResult({ "nRemoved" : 1 })

> db.movies.remove({"title": "Avatar"})
WriteResult({ "nRemoved" : 1 })

> db.movies.find().pretty()
{
  "_id" : ObjectId("6000108dfaaab72ff9776723"),
  "title" : "Fight Club",
  "Writer" : "Chuck Palahniuko",
  "year" : 1999,
  "actors" : [
    " Brad Pitt",
    " Edward Norton"
  ]
}

{
  "_id" : ObjectId("6000117cfaaab72ff9776724"),
  "title" : "Pulp Fiction",
  "Writer" : "Quentin Tarantino",
  "year" : 1994,
  "actors" : [

```

```

        " John Travolta",
        " Uma Thurman"
    ],
    "Actors" : "Samuel L.Jackson"
}
{
    "_id" : ObjectId("600011b3faaab72ff9776725"),
    "title" : "Pulp Fiction",
    "Writer" : "Quentin Tarantino",
    "year" : 1994,
    "actors" : [
        " John Travolta",
        " Uma Thurman"
    ]
}
{
    "_id" : ObjectId("60001327faaab72ff9776726"),
    "title" : "The Hobbit: An unexpected Journey",
    "Writer" : "J.R.R. Tolkein",
    "year" : 2014,
    "actors" : [
        "BRad Pitt",
        " Diane Kruger",
        " Eli Roth"
    ]
}
{
    "_id" : ObjectId("60001452faaab72ff9776727"),
    "title" : "The Hobbit: An unexpected Journey",

```

```
"Writer" : "J.R.R. Tolkein",
"year" : 2012,
"franchise" : [
    "J.R.R. Tolkein"
]
}
{
    "_id" : ObjectId("60001d4dfaaab72ff9776728"),
    "title" : "Flight Club",
    "Writer" : "chuck Palahniuko",
    "Year" : 1999,
    "Actors" : [
        "Brad Pitt",
        "Edward Norton"
    ]
}
{
    "_id" : ObjectId("60001d6dfaaab72ff9776729"),
    "title" : "Pulp Fiction",
    "Writer" : "Quentin Tarantino",
    "Year" : 1994,
    "Actors" : [
        "John Travolta",
        "Uma Thurman"
    ]
}
{
    "_id" : ObjectId("60001d8cfaaab72ff977672a"),
    "title" : "Inglorious Basterds",
```

```

    "Writer" : "Quetin Tarantino",
    "Year" : 2009,
    "Actors" : [
        "Brad Pitt",
        "Diane Kruger",
        "Eli roth"
    ]
}
{
    "_id" : ObjectId("60001e42faaab72ff977672b"),
    "title" : "The Hobbit:An Unexpected Journey",
    "Writer" : "J.R.R. Tolkein",
    "Year" : 2012,
    "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("60001ebcfaaab72ff977672c"),
    "title" : "The Hobbit:The Desolation of Smaug",
    "Writer" : "J.R.R. Tolkein",
    "Year" : 2013,
    "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"
}
{
    "_id" : ObjectId("60001fe1faaab72ff977672d"),
    "title" : "The Hobbit:The Battle of the Five Armies",

```

```

    "Writer" : "J.R.R. Tolkein",

    "Year" : 2012,

    "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"
}

use users

switched to db users

> db.users.insertOne({"username" : "GoodGuyGreg", "first_name" : "Good Guy", "last_name" : "Greg"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("600040e3faaab72ff9776730")
}

> db.users.insertOne({"username" : "ScumbagSteve", "first_name" : "Scumbag", "last_name" : "Steve"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("60004148faaab72ff9776731")
}

> db.users.find().pretty()
{
  "_id" : ObjectId("600040e3faaab72ff9776730"),
  "username" : "GoodGuyGreg",
  "first_name" : "Good Guy",
  "last_name" : "Greg"
}
{
  "_id" : ObjectId("60004148faaab72ff9776731"),
  "username" : "ScumbagSteve",
  "first_name" : "Scumbag",

```

```

    "last_name" : "Steve"
  }

> use posts

switched to db posts

> db.users.insertOne({"username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up
early and cleans house"})

uncaught exception: SyntaxError: missing } after property list :

@(shell):1:96

> db.posts.insertOne({"username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up
early and cleans house"})

uncaught exception: SyntaxError: missing } after property list :

@(shell):1:96

> db.posts.insertOne({"username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up
early and cleans house"})

{
  "acknowledged" : true,
  "insertedId" : ObjectId("6000430bfaaab72ff9776732")
}

> db.posts.insertOne({"username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your
credit score"})

{
  "acknowledged" : true,
  "insertedId" : ObjectId("6000435bfaaab72ff9776733")
}

> db.posts.insertOne({"username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" :
"Sends you a Pull Request"})

{
  "acknowledged" : true,
  "insertedId" : ObjectId("600043a0faaab72ff9776734")
}

```



```

> db.posts.insertOne({"username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6000442dfaaab72ff9776735")
}
> db.posts.insertOne({"username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("60004458faaab72ff9776736")
}
> db.posts.insertOne({"username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Set
to private"})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("60004486faaab72ff9776737")
}
> db.posts.find().pretty()
{
  "_id" : ObjectId("6000430bfaaab72ff9776732"),
  "username" : "GoodGuyGreg",
  "title" : "Passes out at party",
  "body" : "Wakes up early and cleans house"
}
{
  "_id" : ObjectId("6000435bfaaab72ff9776733"),
  "username" : "GoodGuyGreg",
  "title" : "Steals your identity",
  "body" : "Raises your credit score"
}

```

```
{
  "_id" : ObjectId("600043a0faaab72ff9776734"),
  "username" : "GoodGuyGreg",
  "title" : "Reports a bug in your code",
  "body" : "Sends you a Pull Request"
}
```

```
{
  "_id" : ObjectId("6000442dfaaab72ff9776735"),
  "username" : "ScumbagSteve",
  "title" : "Borrows everything",
  "body" : "The end"
}
```

```
{
  "_id" : ObjectId("60004458faaab72ff9776736"),
  "username" : "ScumbagSteve",
  "title" : "Borrows something",
  "body" : "Sells it"
}
```

```
{
  "_id" : ObjectId("60004486faaab72ff9776737"),
  "username" : "ScumbagSteve",
  "title" : "Forks your repo on github",
  "body" : "Set to private"
}
```

> use comments

switched to db comments

```
> db.comments.insertOne({"username": "GoodGuyGreg", "comment": "Hope you got a good deal!",
"post": ObjectId("60004458faaab72ff9776736")})
```

```
{
```

```

    "acknowledged" : true,
    "insertedId" : ObjectId("60004edafaaab72ff9776738")
  }
> db.comments.insertOne({"username": "GoodGuyGreg", "comment": " What's mine is yours!", "post":
ObjectId("6000442dfaaab72ff9776735")})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("60004f79faaab72ff9776739")
}
> db.comments.insertOne({"username": "GoodGuyGreg", "comment": "Don't violate the licensing
agreement!", "post": ObjectId("60004486faaab72ff9776737") })
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6000501afaaab72ff977673a")
}
> db.comments.insertMany(
... [
... {"username" : "ScumbagSteve", "comment" : "It still isn't clean", "post" :
ObjectId("6000430bfaaab72ff9776732")}
... {"username" : "ScumbagSteve", "comment" : " Denied your PR cause I found a hack", "post" :
ObjectId("600043a0faaab72ff9776734")}
... ]
... )
uncaught exception: SyntaxError: missing ] after element list :
@(shell):4:1
> db.comments.insertOne({"username": "ScumbagSteve", "comment": "It still isn't clean", "post" :
ObjectId("6000430bfaaab72ff9776732")})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("600051fffaaab72ff977673b")
}

```

```

}

> db.comments.insertOne({"username" : "ScumbagSteve", "comment" : " Denied your PR cause I found
a hack", "post" : ObjectId("600043a0faaab72ff9776734")})

{
  "acknowledged" : true,
  "insertedId" : ObjectId("60005235faaab72ff977673c")
}

> db.users.find().pretty()

> use users

switched to db users

> db.users.find().pretty()

{
  "_id" : ObjectId("600040e3faaab72ff9776730"),
  "username" : "GoodGuyGreg",
  "first_name" : "Good Guy",
  "last_name" : "Greg"
}

{
  "_id" : ObjectId("60004148faaab72ff9776731"),
  "username" : "ScumbagSteve",
  "first_name" : "Scumbag",
  "last_name" : "Steve"
}

> use posts

switched to db posts

> db.posts.find().pretty()

{
  "_id" : ObjectId("6000430bfaaab72ff9776732"),
  "username" : "GoodGuyGreg",

```

```
"title" : "Passes out at party",
"body" : "Wakes up early and cleans house"
}
{
  "_id" : ObjectId("6000435bfaaab72ff9776733"),
  "username" : "GoodGuyGreg",
  "title" : "Steals your identity",
  "body" : "Raises your credit score"
}
{
  "_id" : ObjectId("600043a0faaab72ff9776734"),
  "username" : "GoodGuyGreg",
  "title" : "Reports a bug in your code",
  "body" : "Sends you a Pull Request"
}
{
  "_id" : ObjectId("6000442dfaaab72ff9776735"),
  "username" : "ScumbagSteve",
  "title" : "Borrows everything",
  "body" : "The end"
}
{
  "_id" : ObjectId("60004458faaab72ff9776736"),
  "username" : "ScumbagSteve",
  "title" : "Borrows something",
  "body" : "Sells it"
}
{
  "_id" : ObjectId("60004486faaab72ff9776737"),
```

```

    "username" : "ScumbagSteve",
    "title" : "Forks your repo on github",
    "body" : "Set to private"
  }

> db.posts.find({"username": "GoodGuyGreg"})

{ "_id" : ObjectId("6000430bfaaab72ff9776732"), "username" : "GoodGuyGreg", "title" : "Passes out at
party", "body" : "Wakes up early and cleans house" }

{ "_id" : ObjectId("6000435bfaaab72ff9776733"), "username" : "GoodGuyGreg", "title" : "Steals your
identity", "body" : "Raises your credit score" }

{ "_id" : ObjectId("600043a0faaab72ff9776734"), "username" : "GoodGuyGreg", "title" : "Reports a bug
in your code", "body" : "Sends you a Pull Request" }

> db.posts.find({"username": "GoodGuyGreg"}).pretty()

{
  "_id" : ObjectId("6000430bfaaab72ff9776732"),
  "username" : "GoodGuyGreg",
  "title" : "Passes out at party",
  "body" : "Wakes up early and cleans house"
}

{
  "_id" : ObjectId("6000435bfaaab72ff9776733"),
  "username" : "GoodGuyGreg",
  "title" : "Steals your identity",
  "body" : "Raises your credit score"
}

{
  "_id" : ObjectId("600043a0faaab72ff9776734"),
  "username" : "GoodGuyGreg",
  "title" : "Reports a bug in your code",
  "body" : "Sends you a Pull Request"
}

```

```
> db.posts.find({"username": "ScumbagSteve"}).pretty()
```

```
{
  "_id" : ObjectId("6000442dfaaab72ff9776735"),
  "username" : "ScumbagSteve",
  "title" : "Borrows everything",
  "body" : "The end"
}
{
  "_id" : ObjectId("60004458faaab72ff9776736"),
  "username" : "ScumbagSteve",
  "title" : "Borrows something",
  "body" : "Sells it"
}
{
  "_id" : ObjectId("60004486faaab72ff9776737"),
  "username" : "ScumbagSteve",
  "title" : "Forks your repo on github",
  "body" : "Set to private"
}
```

```
> use comments
```

```
switched to db comments
```

```
> db.comments.find().pretty()
```

```
{
  "_id" : ObjectId("60004edafaaab72ff9776738"),
  "username" : "GoodGuyGreg",
  "comment" : "Hope you got a good deal!",
  "post" : ObjectId("60004458faaab72ff9776736")
}
{
```

```

    "_id" : ObjectId("60004f79faaab72ff9776739"),
    "username" : "GoodGuyGreg",
    "comment" : " What's mine is yours!",
    "post" : ObjectId("6000442dfaaab72ff9776735")
  }
{
  "_id" : ObjectId("6000501afaaab72ff977673a"),
  "username" : "GoodGuyGreg",
  "comment" : "Don't violate the licensing agreement!",
  "post" : ObjectId("60004486faaab72ff9776737")
}
{
  "_id" : ObjectId("600051fffaaab72ff977673b"),
  "username" : "ScumbagSteve",
  "comment" : "It still isn't clean",
  "post" : ObjectId("6000430bfaaab72ff9776732")
}
{
  "_id" : ObjectId("60005235faaab72ff977673c"),
  "username" : "ScumbagSteve",
  "comment" : " Denied your PR cause I found a hack",
  "post" : ObjectId("600043a0faaab72ff9776734")
}
> db.comments.find({"username": "GoodGuyGreg"}).pretty()
{
  "_id" : ObjectId("60004edafaaab72ff9776738"),
  "username" : "GoodGuyGreg",
  "comment" : "Hope you got a good deal!",
  "post" : ObjectId("60004458faaab72ff9776736")
}

```



```

}
{
  "_id" : ObjectId("60004f79faaab72ff9776739"),
  "username" : "GoodGuyGreg",
  "comment" : " What's mine is yours!",
  "post" : ObjectId("6000442dfaaab72ff9776735")
}
{
  "_id" : ObjectId("6000501afaaab72ff977673a"),
  "username" : "GoodGuyGreg",
  "comment" : "Don't violate the licensing agreement!",
  "post" : ObjectId("60004486faaab72ff9776737")
}
> db.comments.find({"username": "ScumbagSteve"}).pretty()
{
  "_id" : ObjectId("600051fffaaab72ff977673b"),
  "username" : "ScumbagSteve",
  "comment" : "It still isn't clean",
  "post" : ObjectId("6000430bfaaab72ff9776732")
}
{
  "_id" : ObjectId("60005235faaab72ff977673c"),
  "username" : "ScumbagSteve",
  "comment" : " Denied your PR cause I found a hack",
  "post" : ObjectId("600043a0faaab72ff9776734")
}
> db.posts.aggregate([{$match:{title:"Reports a bug in your
code"}},{$lookup:{from:"comments",localField:"_id",foreignField:"post",as:"comments"}}]).pretty()
> use posts

```

switched to db posts

```
> db.posts.aggregate([{$match:{title:"Reports a bug in your  
code"}},{$lookup:{from:"comments",localField:"_id",foreignField:"post",as:"comments"}}]).pretty()
```

```
{  
  "_id" : ObjectId("600043a0faaab72ff9776734"),  
  "username" : "GoodGuyGreg",  
  "title" : "Reports a bug in your code",  
  "body" : "Sends you a Pull Request",  
  "comments" : [ ]  
}
```