**Query/Find Documents**

show dbs

admin 0.000GB

config 0.000GB

local 0.000GB

mongo\_practise 0.000GB

> use mongo\_practise

switched to db mongo\_practise

> db.createCollection('movies')

{ "ok" : 1 }

> show collections

movies

> db.movies.find()

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

> db.movies.insert({title:"Fight Club" , writer:"Chuck Palahniuka" , 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. Tolkein" , year:2012 , franchise:"The Hobbit" })

WriteResult({ "nInserted" : 1 })

> db.movies.insert({title:"The Hobbit:The Desolation of Smaug" , writer:"J.R.R. Tolkein" , year:2013 , franchise:"The Hobbit" })

WriteResult({ "nInserted" : 1 })

> db.movies.insert({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." })

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("610588a1bc8d1a03844a000f"), "title" : "Fight Club", "writer" : "Chuck Palahniuka", "year" : 1999, "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("6106abcdbc8d1a03844a0010"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : 1994, "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "\_id" : ObjectId("6106acbfbc8d1a03844a0011"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : 2009, "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

{ "\_id" : ObjectId("6106ad63bc8d1a03844a0012"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : 2012, "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("6106ad98bc8d1a03844a0013"), "title" : "The Hobbit:The Desolation of Smaug", "writer" : "J.R.R. Tolkein", "year" : 2013, "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("6106ae5dbc8d1a03844a0014"), "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("6106aea1bc8d1a03844a0015"), "title" : "Pee Wee Herman's Big Adventure" }

{ "\_id" : ObjectId("6106aeb2bc8d1a03844a0016"), "title" : "Avatar" }

> db.movies.find({writer:"Quentin Tarantino"})

{ "\_id" : ObjectId("6106abcdbc8d1a03844a0010"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : 1994, "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "\_id" : ObjectId("6106acbfbc8d1a03844a0011"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : 2009, "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

> db.movies.find({actors:"Brad Pitt"})

{ "\_id" : ObjectId("610588a1bc8d1a03844a000f"), "title" : "Fight Club", "writer" : "Chuck Palahniuka", "year" : 1999, "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("6106acbfbc8d1a03844a0011"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : 2009, "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

> db.movies.find({franchise:"The Hobbit"})

{ "\_id" : ObjectId("6106ad63bc8d1a03844a0012"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : 2012, "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("6106ad98bc8d1a03844a0013"), "title" : "The Hobbit:The Desolation of Smaug", "writer" : "J.R.R. Tolkein", "year" : 2013, "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("6106ae5dbc8d1a03844a0014"), "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({year:{$lt:2000}})

{ "\_id" : ObjectId("610588a1bc8d1a03844a000f"), "title" : "Fight Club", "writer" : "Chuck Palahniuka", "year" : 1999, "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("6106abcdbc8d1a03844a0010"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : 1994, "actors" : [ "John Travolta", "Uma Thurman" ] }

> db.movies.find({$or:[{year:{$lt:2000}},{year:{$gt:2010}}]})

{ "\_id" : ObjectId("610588a1bc8d1a03844a000f"), "title" : "Fight Club", "writer" : "Chuck Palahniuka", "year" : 1999, "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("6106abcdbc8d1a03844a0010"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : 1994, "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "\_id" : ObjectId("6106ad63bc8d1a03844a0012"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : 2012, "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("6106ad98bc8d1a03844a0013"), "title" : "The Hobbit:The Desolation of Smaug", "writer" : "J.R.R. Tolkein", "year" : 2013, "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("6106ae5dbc8d1a03844a0014"), "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." }

**Update Documents**

> db.movies.update({'title':'The Hobbit:An Unexpected Journey'},{$set:{'synopsis':'A relucant hobbit, Bilbo Baggins,sets out to the Lonely Mountain with a spirirted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug.'}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.movies.update({'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 mysterios and magical ring.'}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

db.movies.update({\_id : ObjectId("6106abcdbc8d1a03844a0010")},{$push:{'actors':['Samuel L. Jackson']}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

**Text Search**

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

**{ "\_id" : ObjectId("6106ad63bc8d1a03844a0012"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : 2012, "franchise" : "The Hobbit", "synopsis" : "A relucant hobbit, Bilbo Baggins,sets out to the Lonely Mountain with a spirirted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." }**

**{ "\_id" : ObjectId("6106ad98bc8d1a03844a0013"), "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 mysterios and magical ring." }**

**{ "\_id" : ObjectId("6106ae5dbc8d1a03844a0014"), "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"}})**

**{ "\_id" : ObjectId("6106ad98bc8d1a03844a0013"), "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 mysterios and magical ring." }**

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

**{ "\_id" : ObjectId("6106ad63bc8d1a03844a0012"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : 2012, "franchise" : "The Hobbit", "synopsis" : "A relucant hobbit, Bilbo Baggins,sets out to the Lonely Mountain with a spirirted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." }**

**{ "\_id" : ObjectId("6106ae5dbc8d1a03844a0014"), "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({$or:[{synopsis:{$regex:"dwarves"}},{synopsis:{$regex:"hobbit"}}]})**

**{ "\_id" : ObjectId("6106ad63bc8d1a03844a0012"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : 2012, "franchise" : "The Hobbit", "synopsis" : "A relucant hobbit, Bilbo Baggins,sets out to the Lonely Mountain with a spirirted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." }**

**{ "\_id" : ObjectId("6106ad98bc8d1a03844a0013"), "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 mysterios and magical ring." }**

**> db.movies.find({$and:[{synopsis:{$regex:"gold"}},{synopsis:{$regex:"dragon"}}]})**

**{ "\_id" : ObjectId("6106ad63bc8d1a03844a0012"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : 2012, "franchise" : "The Hobbit", "synopsis" : "A relucant hobbit, Bilbo Baggins,sets out to the Lonely Mountain with a spirirted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." }**

**Delete Documents**

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

WriteResult({ "nRemoved" : 1 })

> db.movies.remove({'title':"Avatar"})

WriteResult({ "nRemoved" : 1 })

**Relationships**

> db.comments.insert({username:"GoodGuyGreg" , comment:"Hope you got a good deal!" , post: ObjectId("61077e92bc8d1a03844a001d")})

WriteResult({ "nInserted" : 1 })

> db.comments.insert({username:"GoodGuyGreg" , comment:"What's mine is yours!" , post:ObjectId("61077ebabc8d1a03844a001e")})

WriteResult({ "nInserted" : 1 })

> db.comments.insert({username:"GoodGuyGreg" , comment:"Don't violate the licensing agreement!" , post: ObjectId("61077ee2bc8d1a03844a001f")})

WriteResult({ "nInserted" : 1 })

> db.comments.insert({username:"ScumbagSteve" , comment:"It still isn't clean" , post:ObjectId("61077de8bc8d1a03844a001a")})

WriteResult({ "nInserted" : 1 })

> db.comments.insert({username:"ScumbagSteve" , comment:"Denied your PR cause I found a hack" , post:ObjectId("61077e24bc8d1a03844a001b")})

WriteResult({ "nInserted" : 1 })

> db.users.find()

{ "\_id" : ObjectId("61077b19bc8d1a03844a0017"), "username" : "GoodGuyGreg", "first\_name" : "Good Guy", "last\_name" : "Greg" }

{ "\_id" : ObjectId("61077b69bc8d1a03844a0018"), "username" : "ScumbagSteve", "full\_name" : [ { "first" : "Scumbag" }, { "last" : "Steve" } ] }

> db.post.find()

{ "\_id" : ObjectId("61077de8bc8d1a03844a001a"), "username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up early and cleans house" }

{ "\_id" : ObjectId("61077e24bc8d1a03844a001b"), "username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" : "Sends you a pull request" }

{ "\_id" : ObjectId("61077e5abc8d1a03844a001c"), "username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your credit score" }

{ "\_id" : ObjectId("61077e92bc8d1a03844a001d"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }

{ "\_id" : ObjectId("61077ebabc8d1a03844a001e"), "username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end" }

{ "\_id" : ObjectId("61077ee2bc8d1a03844a001f"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }

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

{ "\_id" : ObjectId("61077de8bc8d1a03844a001a"), "username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up early and cleans house" }

{ "\_id" : ObjectId("61077e24bc8d1a03844a001b"), "username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" : "Sends you a pull request" }

{ "\_id" : ObjectId("61077e5abc8d1a03844a001c"), "username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your credit score" }

> db.post.find({username: "ScumbagSteve"})

{ "\_id" : ObjectId("61077e92bc8d1a03844a001d"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }

{ "\_id" : ObjectId("61077ebabc8d1a03844a001e"), "username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end" }

{ "\_id" : ObjectId("61077ee2bc8d1a03844a001f"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }

> db.comments.find()

{ "\_id" : ObjectId("610788e3bc8d1a03844a0021"), "username" : "GoodGuyGreg", "comment" : "Hope you got a good deal!", "post" : ObjectId("61077e92bc8d1a03844a001d") }

{ "\_id" : ObjectId("61078949bc8d1a03844a0022"), "username" : "GoodGuyGreg", "comment" : "What's mine is yours!", "post" : ObjectId("61077ebabc8d1a03844a001e") }

{ "\_id" : ObjectId("610789afbc8d1a03844a0023"), "username" : "GoodGuyGreg", "comment" : "Don't violate the licensing agreement!", "post" : ObjectId("61077ee2bc8d1a03844a001f") }

{ "\_id" : ObjectId("61078a05bc8d1a03844a0024"), "username" : "ScumbagSteve", "comment" : "It still isn't clean", "post" : ObjectId("61077de8bc8d1a03844a001a") }

{ "\_id" : ObjectId("61078a50bc8d1a03844a0025"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : ObjectId("61077e24bc8d1a03844a001b") }

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

{ "\_id" : ObjectId("610788e3bc8d1a03844a0021"), "username" : "GoodGuyGreg", "comment" : "Hope you got a good deal!", "post" : ObjectId("61077e92bc8d1a03844a001d") }

{ "\_id" : ObjectId("61078949bc8d1a03844a0022"), "username" : "GoodGuyGreg", "comment" : "What's mine is yours!", "post" : ObjectId("61077ebabc8d1a03844a001e") }

{ "\_id" : ObjectId("610789afbc8d1a03844a0023"), "username" : "GoodGuyGreg", "comment" : "Don't violate the licensing agreement!", "post" : ObjectId("61077ee2bc8d1a03844a001f") }

> db.comments.find({username:"ScumbagSteve"})

{ "\_id" : ObjectId("61078a05bc8d1a03844a0024"), "username" : "ScumbagSteve", "comment" : "It still isn't clean", "post" : ObjectId("61077de8bc8d1a03844a001a") }

{ "\_id" : ObjectId("61078a50bc8d1a03844a0025"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : ObjectId("61077e24bc8d1a03844a001b") }

> db.comments.find({title:"Reports a bug in your code"})