DAY1:

Insert:

db.movies.insert({title: 'Fight Club',writer: 'Chuck Palahniuko', year: '1999', actors: ['Brad Pitt', 'Edward Norton']});

db.movies.insertMany([{title: 'Pulp Fiction', writer: 'Quentin Tarantino', year: '1994', actors: ['John Travolta', 'Uma Thurman']},{title: 'Inglorious Basterds', writer: 'Quentin Tarantino', year: '2009', actors: ['Brad Pitt', 'Diane Kruger', 'Eli Roth']}])

db.movies.insert({title: 'The Hobbit: An Unexpected Journey', writer: 'J.R.R. Tolkein', year: '2012', franchise: 'The Hobbit'});

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

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 lonley mountain from falling into the hands of a rising darkness.'});

db.movies.insert({title: 'Pee Wee Hermans Big Adventure'});

db.movies.insert({title: 'Avatar'});

Query/find documents:

db.movies.find().pretty()

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

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

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

db.movies.find({year: {$lt:"2000"}})

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

Update documents:

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 reclaimErebor."}},{multi:true})

db.movies.update({"title":"Pulp Fiction"},{$push:{"actors":"Samuel L. Jackson"}},{multi:true})

Text documents:

db.movies.createIndex( { title: "text", actor: "text", franchise: "text", synopsis: "text" } )

db.movies.find({$text:{$search:"Bilbo"}})

db.movies.find({$text:{$search:"Bilbo -Gandalf"}})

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

db.movies.find({$or:[{$text:{$search:"dwarves",$search:"hobbit"}}]})

db.movies.find({$and:[{$text:{$search:"gold",$search:"dragon"}}]})

Delete documents:

db.movies.deleteOne({title:"Pee Wee Hermans Big Adventure"})

db.movies.deleteOne({title:"Avatar"})

RELATIONSHIPS:

users:

db.createCollection('users');

db.users.insertOne({username: 'GoodGuyGrey', first\_name: 'Good Guy', last\_name: 'Grey'})

"acknowledged" : true,

"insertedId" : ObjectId("60e04b9fa974b0b756a84c3a")

db.users.insertOne({username: 'ScumbagSteve', first\_name: 'Scumbag', last\_name:'Steve'})

{

"acknowledged" : true,

"insertedId" : ObjectId("60e04c79a974b0b756a84c3b")

}

posts:

db.createCollection('posts');

db.posts.insertMany([ {username: 'GoodGuyGrey', title:'Passes out at party', body:'Wakes up early and cleans house'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e04d7ba974b0b756a84c3c")

]

}

db.posts.insertMany([{username: 'GoodGuyGrey', title:'Steals your identity', body:'Raises your credit score'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e04db1a974b0b756a84c3d")

]

}

db.posts.insertMany([{username: 'GoodGuyGrey', title:'Reports a bug in your code', body:'Sends you a Pull Request'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e04deba974b0b756a84c3e")

]

}

db.posts.insertMany([{username: 'ScumbagSteve', title: 'Borrows something', body: 'Sells it'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e04e36a974b0b756a84c3f")

]

}

db.posts.insertMany([{username: 'ScumbagSteve', title: 'Borrows everythiing', body: 'The end'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e04e68a974b0b756a84c40")

]

}

db.posts.insertMany([{username: 'ScumbagSteve', title: 'Forks your repo on github', body: 'Sets to private'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e04f0fa974b0b756a84c41")

]

}

comments:

db.createCollection('comments');

db.comments.insertMany([{username:'GoodGuyGrey', comment:'Hope you got a good deal', post: 'ObjectId("60e04e36a974b0b756a84c3f")'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e05265a974b0b756a84c42")

]

}

db.comments.insertMany([{username: 'GoodGuyGrey',comment: 'Whats mine is yours',post: 'ObjectId("60e04e68a974b0b756a84c40")'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e053b2a974b0b756a84c43")

]

}

db.comments.insertMany([{username:'GoodGuyGrey',comment:'Dont violate the licensing agreement', post: 'ObjectId("60e04f0fa974b0b756a84c41")'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e0548ca974b0b756a84c44")

]

}

db.comments.insertMany([{username:'ScumbagSteve', comment:'It still isnt clean', post: 'ObjectId("60e04d7ba974b0b756a84c3c")'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e0551ca974b0b756a84c45")

]

}

db.comments.insertMany([{username:'ScumbagSteve', comment:'Denied your PR cause I found a hack', post:'ObjectId("60e04deba974b0b756a84c3e")'}])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("60e0559ba974b0b756a84c46")

]

}

Querying related collections:

db.users.find().pretty()

{

"\_id" : ObjectId("60e04b9fa974b0b756a84c3a"),

"username" : "GoodGuyGrey",

"first\_name" : "Good Guy",

"last\_name" : "Grey"

}

{

"\_id" : ObjectId("60e04c79a974b0b756a84c3b"),

"username" : "ScumbagSteve",

"first\_name" : "Scumbag",

"last\_name" : "Steve"

}

db.posts.find().pretty()

{

"\_id" : ObjectId("60e04d7ba974b0b756a84c3c"),

"username" : "GoodGuyGrey",

"title" : "Passes out at party",

"body" : "Wakes up early and cleans house"

}

{

"\_id" : ObjectId("60e04db1a974b0b756a84c3d"),

"username" : "GoodGuyGrey",

"title" : "Steals your identity",

"body" : "Raises your credit score"

}

{

"\_id" : ObjectId("60e04deba974b0b756a84c3e"),

"username" : "GoodGuyGrey",

"title" : "Reports a bug in your code",

"body" : "Sends you a Pull Request"

}

{

"\_id" : ObjectId("60e04e36a974b0b756a84c3f"),

"username" : "ScumbagSteve",

"title" : "Borrows something",

"body" : "Sells it"

}

{

"\_id" : ObjectId("60e04e68a974b0b756a84c40"),

"username" : "ScumbagSteve",

"title" : "Borrows everythiing",

"body" : "The end"

}

{

"\_id" : ObjectId("60e04f0fa974b0b756a84c41"),

"username" : "ScumbagSteve",

"title" : "Forks your repo on github",

"body" : "Sets to private"

}

db.posts.find({username:'GoodGuyGrey'})

{ "\_id" : ObjectId("60e04d7ba974b0b756a84c3c"), "username" : "GoodGuyGrey", "title" : "Passes out at party", "body" : "Wakes up early and cleans house" }

{ "\_id" : ObjectId("60e04db1a974b0b756a84c3d"), "username" : "GoodGuyGrey", "title" : "Steals your identity", "body" : "Raises your credit score" }

{ "\_id" : ObjectId("60e04deba974b0b756a84c3e"), "username" : "GoodGuyGrey", "title" : "Reports a bug in your code", "body" : "Sends you a Pull Request" }

db.posts.find({username:'ScumbagSteve'})

{ "\_id" : ObjectId("60e04e36a974b0b756a84c3f"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }

{ "\_id" : ObjectId("60e04e68a974b0b756a84c40"), "username" : "ScumbagSteve", "title" : "Borrows everythiing", "body" : "The end" }

{ "\_id" : ObjectId("60e04f0fa974b0b756a84c41"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }

db.comments.find()

{ "\_id" : ObjectId("60e05265a974b0b756a84c42"), "username" : "GoodGuyGrey", "comment" : "Hope you got a good deal", "post" : "ObjectId(\"60e04e36a974b0b756a84c3f\")" }

{ "\_id" : ObjectId("60e053b2a974b0b756a84c43"), "username" : "GoodGuyGrey", "comment" : "Whats mine is yours", "post" : "ObjectId(\"60e04e68a974b0b756a84c40\")" }

{ "\_id" : ObjectId("60e0548ca974b0b756a84c44"), "username" : "GoodGuyGrey", "comment" : "Dont violate the licensing agreement", "post" : "ObjectId(\"60e04f0fa974b0b756a84c41\")" }

{ "\_id" : ObjectId("60e0551ca974b0b756a84c45"), "username" : "ScumbagSteve", "comment" : "It still isnt clean", "post" : "ObjectId(\"60e04d7ba974b0b756a84c3c\")" }

{ "\_id" : ObjectId("60e0559ba974b0b756a84c46"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : "ObjectId(\"60e04deba974b0b756a84c3e\")" }

db.comments.find({username:'GoodGuyGrey'})

{ "\_id" : ObjectId("60e05265a974b0b756a84c42"), "username" : "GoodGuyGrey", "comment" : "Hope you got a good deal", "post" : "ObjectId(\"60e04e36a974b0b756a84c3f\")" }

{ "\_id" : ObjectId("60e053b2a974b0b756a84c43"), "username" : "GoodGuyGrey", "comment" : "Whats mine is yours", "post" : "ObjectId(\"60e04e68a974b0b756a84c40\")" }

{ "\_id" : ObjectId("60e0548ca974b0b756a84c44"), "username" : "GoodGuyGrey", "comment" : "Dont violate the licensing agreement", "post" : "ObjectId(\"60e04f0fa974b0b756a84c41\")" }

db.comments.find({username:'ScumbagSteve'})

{ "\_id" : ObjectId("60e0551ca974b0b756a84c45"), "username" : "ScumbagSteve", "comment" : "It still isnt clean", "post" : "ObjectId(\"60e04d7ba974b0b756a84c3c\")" }

{ "\_id" : ObjectId("60e0559ba974b0b756a84c46"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : "ObjectId(\"60e04deba974b0b756a84c3e\")" }

db.posts.find({title:'Reports a bug in your code'})

{ "\_id" : ObjectId("60e04deba974b0b756a84c3e"), "username" : "GoodGuyGrey", "title" : "Reports a bug in your code", "body" : "Sends you a Pull Request" }