**MongoDB Assignment 1**

**show dbs**

mongo\_practice 8.19 kB

admin 332 kB

local 5.3 GB

**use mongo\_practice**

'switched to db mongo\_practice'

**db.movies.insert([{title:"Fight Club", writer:"Chuck Palahniuko", year:1999, actors:["Bradd Pitt", "Edward Norton"]}, {title:"Pulp Fiction", writer:"Quentin Tarantino", year:1994, actors:["John Travolta", "Uma Thurman"]}, {title:"Inglorious Basterds", writer:"Quentin Tarantino", year:2009, actors:["Bradd Pitt", "Diane Kruger", "Eli Roth"]},{title:"The Hobbit:An Unexpected Journey",writer:"J.R.R.Tolkein", year:2012,franchise:"The Hobbit"},{title:"The Hobbit:The Desolation of Smaug", writer:"J.R.R.Tolkein",year:2013, franchise:"The Hobbit"},{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"},{title:"Pee Wee Herman's Bog Adventure"},{title:"Avatar"}])**

{ acknowledged: true,

insertedIds:

{ '0': ObjectId("6077c09c2ced3dbbd54650c7"),

'1': ObjectId("6077c09c2ced3dbbd54650c8"),

'2': ObjectId("6077c09c2ced3dbbd54650c9"),

'3': ObjectId("6077c09c2ced3dbbd54650ca"),

'4': ObjectId("6077c09c2ced3dbbd54650cb"),

'5': ObjectId("6077c09c2ced3dbbd54650cc"),

'6': ObjectId("6077c09c2ced3dbbd54650cd"),

'7': ObjectId("6077c09c2ced3dbbd54650ce") } }

**db.movies.find()**

{ \_id: ObjectId("6077c09c2ced3dbbd54650c7"),

title: 'Fight Club',

writer: 'Chuck Palahniuko',

year: 1999,

actors: [ 'Bradd Pitt', 'Edward Norton' ] }

{ \_id: ObjectId("6077c09c2ced3dbbd54650c8"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ] }

{ \_id: ObjectId("6077c09c2ced3dbbd54650c9"),

title: 'Inglorious Basterds',

writer: 'Quentin Tarantino',

year: 2009,

actors: [ 'Bradd Pitt', 'Diane Kruger', 'Eli Roth' ] }

{ \_id: ObjectId("6077c09c2ced3dbbd54650ca"),

title: 'The Hobbit:An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit' }

{ \_id: ObjectId("6077c09c2ced3dbbd54650cb"),

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

writer: 'J.R.R.Tolkein',

year: 2013,

franchise: 'The Hobbit' }

{ \_id: ObjectId("6077c09c2ced3dbbd54650cc"),

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("6077c09c2ced3dbbd54650cd"),

title: 'Pee Wee Herman\'s Bog Adventure' }

{ \_id: ObjectId("6077c09c2ced3dbbd54650ce"), title: 'Avatar' }

**db.movies.findOne({writer:"Quentin Tarantino"})**

{ \_id: ObjectId("6077c09c2ced3dbbd54650c8"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ] }

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

{ \_id: ObjectId("6077c09c2ced3dbbd54650c8"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ] }

{ \_id: ObjectId("6077c09c2ced3dbbd54650c9"),

title: 'Inglorious Basterds',

writer: 'Quentin Tarantino',

year: 2009,

actors: [ 'Bradd Pitt', 'Diane Kruger', 'Eli Roth' ] }

**db.movies.find({actors:"Bradd Pitt"})**

{ \_id: ObjectId("6077c09c2ced3dbbd54650c7"),

title: 'Fight Club',

writer: 'Chuck Palahniuko',

year: 1999,

actors: [ 'Bradd Pitt', 'Edward Norton' ] }

{ \_id: ObjectId("6077c09c2ced3dbbd54650c9"),

title: 'Inglorious Basterds',

writer: 'Quentin Tarantino',

year: 2009,

actors: [ 'Bradd Pitt', 'Diane Kruger', 'Eli Roth' ] }

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

{ \_id: ObjectId("6077c09c2ced3dbbd54650ca"),

title: 'The Hobbit:An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit' }

{ \_id: ObjectId("6077c09c2ced3dbbd54650cb"),

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

writer: 'J.R.R.Tolkein',

year: 2013,

franchise: 'The Hobbit' }

{ \_id: ObjectId("6077c09c2ced3dbbd54650cc"),

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("6077c09c2ced3dbbd54650c7"),

title: 'Fight Club',

writer: 'Chuck Palahniuko',

year: 1999,

actors: [ 'Bradd Pitt', 'Edward Norton' ] }

{ \_id: ObjectId("6077c09c2ced3dbbd54650c8"),

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("6077c09c2ced3dbbd54650c7"),

title: 'Fight Club',

writer: 'Chuck Palahniuko',

year: 1999,

actors: [ 'Bradd Pitt', 'Edward Norton' ] }

{ \_id: ObjectId("6077c09c2ced3dbbd54650c8"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ] }

{ \_id: ObjectId("6077c09c2ced3dbbd54650ca"),

title: 'The Hobbit:An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit' }

{ \_id: ObjectId("6077c09c2ced3dbbd54650cb"),

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

writer: 'J.R.R.Tolkein',

year: 2013,

franchise: 'The Hobbit' }

{ \_id: ObjectId("6077c09c2ced3dbbd54650cc"),

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.findOneAndUpdate({title:"The Hobbit:An Unexpected Journey"}, {$set:{synopsis:"A reluctant hobbit, Bilbo Baggis, 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("6077c09c2ced3dbbd54650ca"),

title: 'The Hobbit:An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit' }

**db.movies.update({title:"The Hobbit:An Unexpected Journey"}, {$set:{synopsis:"A reluctant hobbit, Bilbo Baggis, 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"}})**

'DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany or bulkWrite.'

{ acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 0,

upsertedCount: 0 }

**db.movies.find({title:"The Hobbit:An Unexpected Journey"})**

{ \_id: ObjectId("6077c09c2ced3dbbd54650ca"),

title: 'The Hobbit:An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit',

synopsis: 'A reluctant hobbit, Bilbo Baggis, 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.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 mysterious and magical ring"}})

{ acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0 }

**db.movies.update({title:"Pulp Fiction"}, {$set:{actor:"Samuel L. Jackson"}})**

{ acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0 }

**db.movies.findOneAndDelete({title:"Pulp Fiction"}, {$set:{actor:"Samuel L. Jackson"}})**

{ \_id: ObjectId("6077c09c2ced3dbbd54650c8"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ],

actor: 'Samuel L. Jackson' }

**db.movies.update({title:"Pulp Fiction"}, {$set:{actors:"Samuel L. Jackson"}})**

{ acknowledged: true,

insertedId: null,

matchedCount: 0,

modifiedCount: 0,

upsertedCount: 0 }

**db.movies.insert({title:"Pulp Fiction",writer:"Quentin Tarantino",year:1994,actors:["John Travolta","Uma Thurman"]})**

{ acknowledged: true,

insertedIds: { '0': ObjectId("6077dcf42ced3dbbd54650cf") } }

**db.movies.update({title:"Pulp Fiction"}, {$set:{actors:"Samuel L. Jackson"}})**

{ acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0 }

**db.movies.update({title:"Pulp Fiction"}, {$set:{actors:["John Travolta","Uma Thurman","Samuel L. Jackson"]}})**

{ acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0 }

**db.movies.createIndex({synopsis:"text"})**

'synopsis\_text'

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

{ \_id: ObjectId("6077c09c2ced3dbbd54650cb"),

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("6077c09c2ced3dbbd54650cc"),

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("6077c09c2ced3dbbd54650ca"),

title: 'The Hobbit:An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit',

synopsis: 'A reluctant hobbit, Bilbo Baggis, 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({$text:{$search:"Gandalf"}})**

{ \_id: ObjectId("6077c09c2ced3dbbd54650cb"),

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.remove({'title':'Avatar'})**

'DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany or bulkWrite.'

{ acknowledged: true, deletedCount: 1 }

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

{ acknowledged: true, deletedCount: 1 }

**use mongo\_practice**

'switched to db mongo\_practice'

**db.users.insert([{username:"GoodGuyGreg", first\_name:"Good Guy", last\_name:"Greg"}, {username:"ScumbagSteve", full\_name:"", first:"Scumbag", last:"Steve"}])**

{ acknowledged: true,

insertedIds:

{ '0': ObjectId("6077e2992ced3dbbd54650d0"),

'1': ObjectId("6077e2992ced3dbbd54650d1") } }

**db.posts.insert([{username:"GoodGuyGreg",title:"passes out at a party",body:"wakes up early and cleans house"},{username:"GoodGuyGreg",title:"steals your identity",body:"raises your credit score"},{username:"GoodGuyGreg",title:"reports a bud in your code",body:"sends you a pull request"},{username:"ScumbagSteve",title:"borrows everything",body:"the end"},{username:"ScumbagSteve",title:"forks your repo on github",body:"sets to private"}])**

{ acknowledged: true,

insertedIds:

{ '0': ObjectId("6077e52e2ced3dbbd54650d2"),

'1': ObjectId("6077e52e2ced3dbbd54650d3"),

'2': ObjectId("6077e52e2ced3dbbd54650d4"),

'3': ObjectId("6077e52e2ced3dbbd54650d5"),

'4': ObjectId("6077e52e2ced3dbbd54650d6") } }

**db.comments.insert([{username:"GoodGuyGreg",comment:"hope you got a good deal!",post:"6077e52e2ced3dbbd54650d5"},{username:"GoodGuyGreg",comment:"what's mine is yours!",post:"6077e52e2ced3dbbd54650d5"},{username:"GoodGuyGreg",comment:"dont violate the licensing agreement!",post:"6077e52e2ced3dbbd54650d6"},{username:"ScumbagSteve",comment:"it still isnt clean",post:"6077e52e2ced3dbbd54650d2"},{username:"ScumbagSteve",comment:"denied your PR cause I found a hack",post:"6077e52e2ced3dbbd54650d4"}])**

{ acknowledged: true,

insertedIds:

{ '0': ObjectId("6077e88c2ced3dbbd54650d7"),

'1': ObjectId("6077e88c2ced3dbbd54650d8"),

'2': ObjectId("6077e88c2ced3dbbd54650d9"),

'3': ObjectId("6077e88c2ced3dbbd54650da"),

'4': ObjectId("6077e88c2ced3dbbd54650db") } }

**db.users.find()**

{ \_id: ObjectId("6077e2992ced3dbbd54650d0"),

username: 'GoodGuyGreg',

first\_name: 'Good Guy',

last\_name: 'Greg' }

{ \_id: ObjectId("6077e2992ced3dbbd54650d1"),

username: 'ScumbagSteve',

full\_name: '',

first: 'Scumbag',

last: 'Steve' }

**db.posts.find()**

{ \_id: ObjectId("6077e52e2ced3dbbd54650d2"),

username: 'GoodGuyGreg',

title: 'passes out at a party',

body: 'wakes up early and cleans house' }

{ \_id: ObjectId("6077e52e2ced3dbbd54650d3"),

username: 'GoodGuyGreg',

title: 'steals your identity',

body: 'raises your credit score' }

{ \_id: ObjectId("6077e52e2ced3dbbd54650d4"),

username: 'GoodGuyGreg',

title: 'reports a bud in your code',

body: 'sends you a pull request' }

{ \_id: ObjectId("6077e52e2ced3dbbd54650d5"),

username: 'ScumbagSteve',

title: 'borrows everything',

body: 'the end' }

{ \_id: ObjectId("6077e52e2ced3dbbd54650d6"),

username: 'ScumbagSteve',

title: 'forks your repo on github',

body: 'sets to private' }

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

{ \_id: ObjectId("6077e52e2ced3dbbd54650d2"),

username: 'GoodGuyGreg',

title: 'passes out at a party',

body: 'wakes up early and cleans house' }

{ \_id: ObjectId("6077e52e2ced3dbbd54650d3"),

username: 'GoodGuyGreg',

title: 'steals your identity',

body: 'raises your credit score' }

{ \_id: ObjectId("6077e52e2ced3dbbd54650d4"),

username: 'GoodGuyGreg',

title: 'reports a bud in your code',

body: 'sends you a pull request' }

**db.posts.find({username:"ScumbagSteve"})**

{ \_id: ObjectId("6077e52e2ced3dbbd54650d5"),

username: 'ScumbagSteve',

title: 'borrows everything',

body: 'the end' }

{ \_id: ObjectId("6077e52e2ced3dbbd54650d6"),

username: 'ScumbagSteve',

title: 'forks your repo on github',

body: 'sets to private' }

**db.comments.find()**

{ \_id: ObjectId("6077e88c2ced3dbbd54650d7"),

username: 'GoodGuyGreg',

comment: 'hope you got a good deal!',

post: '6077e52e2ced3dbbd54650d5' }

{ \_id: ObjectId("6077e88c2ced3dbbd54650d8"),

username: 'GoodGuyGreg',

comment: 'what\'s mine is yours!',

post: '6077e52e2ced3dbbd54650d5' }

{ \_id: ObjectId("6077e88c2ced3dbbd54650d9"),

username: 'GoodGuyGreg',

comment: 'dont violate the licensing agreement!',

post: '6077e52e2ced3dbbd54650d6' }

{ \_id: ObjectId("6077e88c2ced3dbbd54650da"),

username: 'ScumbagSteve',

comment: 'it still isnt clean',

post: '6077e52e2ced3dbbd54650d2' }

{ \_id: ObjectId("6077e88c2ced3dbbd54650db"),

username: 'ScumbagSteve',

comment: 'denied your PR cause I found a hack',

post: '6077e52e2ced3dbbd54650d4' }

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

{ \_id: ObjectId("6077e88c2ced3dbbd54650da"),

username: 'ScumbagSteve',

comment: 'it still isnt clean',

post: '6077e52e2ced3dbbd54650d2' }

{ \_id: ObjectId("6077e88c2ced3dbbd54650db"),

username: 'ScumbagSteve',

comment: 'denied your PR cause I found a hack',

post: '6077e52e2ced3dbbd54650d4' }

**db.comments.find({post:"reports a bug in your code"})**

**db.comments.find({post:"6077e52e2ced3dbbd54650d4"})**

{ \_id: ObjectId("6077e88c2ced3dbbd54650db"),

username: 'ScumbagSteve',

comment: 'denied your PR cause I found a hack',

post: '6077e52e2ced3dbbd54650d4' }