**mongoDB**

**Assignment 1**

**Find**

> use mongo\_practice

switched to db mongo\_practice

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

WriteResult({ "nInserted" : 1 })

> show collections

movies

> 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 Adventures"})

WriteResult({ "nInserted" : 1 })

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

WriteResult({ "nInserted" : 1 })

1.

> db.movies.find()

{ "\_id" : ObjectId("634e25fc043e0fbc7c271af9"), "title" : "Fight Club", "writer" : "Chuk Palahniuko", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("634e2640043e0fbc7c271afa"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : "1994", "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "\_id" : ObjectId("634e2652043e0fbc7c271afb"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("634e2683043e0fbc7c271afd"), "title" : "The Hobbit:The Desolation of Smaug", "writer" : "J.R.R. Tolkein", "year" : "2013", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("634e2691043e0fbc7c271afe"), "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("634e269a043e0fbc7c271aff"), "title" : "Pee Wee Herman's Big Adventures" }

{ "\_id" : ObjectId("634e26a3043e0fbc7c271b00"), "title" : "Avatar" }

2.

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

{ "\_id" : ObjectId("634e2640043e0fbc7c271afa"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : "1994", "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "\_id" : ObjectId("634e2652043e0fbc7c271afb"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

3.

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

{ "\_id" : ObjectId("634e25fc043e0fbc7c271af9"), "title" : "Fight Club", "writer" : "Chuk Palahniuko", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("634e2652043e0fbc7c271afb"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

4.

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

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("634e2683043e0fbc7c271afd"), "title" : "The Hobbit:The Desolation of Smaug", "writer" : "J.R.R. Tolkein", "year" : "2013", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("634e2691043e0fbc7c271afe"), "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." }

5.

> db.movies.find({year:{$gt:"1990",$lt:"2000"}})

{ "\_id" : ObjectId("634e25fc043e0fbc7c271af9"), "title" : "Fight Club", "writer" : "Chuk Palahniuko", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("634e2640043e0fbc7c271afa"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : "1994", "actors" : [ "John Travolta", "Uma Thurman" ] }

6.

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

{ "\_id" : ObjectId("634e25fc043e0fbc7c271af9"), "title" : "Fight Club", "writer" : "Chuk Palahniuko", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("634e2640043e0fbc7c271afa"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : "1994", "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("634e2683043e0fbc7c271afd"), "title" : "The Hobbit:The Desolation of Smaug", "writer" : "J.R.R. Tolkein", "year" : "2013", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("634e2691043e0fbc7c271afe"), "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." }

**Upadate**

1.

> db.movies.update({\_id: ObjectId("634e266e043e0fbc7c271afc")},{$set:{synopsis:"A reluctant hobit, Bilbo Baggins,sets out the Lonely Mountain with a sprinted 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.findOne({title:"The Hobbit:An Unexpected Journey"})

{

"\_id" : ObjectId("634e266e043e0fbc7c271afc"),

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

"writer" : "J.R.R. Tolkein",

"year" : "2012",

"franchise" : "The Hobbit",

"synopsis" : "A reluctant hobit, Bilbo Baggins,sets out the Lonely Mountain with a sprinted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon smaug."

}

2.

> db.movies.update({\_id: ObjectId("634e2683043e0fbc7c271afd")},{$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 posession of a mysterious and magical ring."}})

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

> db.movies.findOne({title:"The Hobbit:The Desolation of Smaug"})

{

"\_id" : ObjectId("634e2683043e0fbc7c271afd"),

"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 posession of a mysterious and magical ring."

}

3.

> db.movies.update({\_id: ObjectId("634e2640043e0fbc7c271afa")},{$push:{actors:"Samuel L. Jackson"}})

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

> db.movies.findOne({title:"Pulp Fiction"})

{

"\_id" : ObjectId("634e2640043e0fbc7c271afa"),

"title" : "Pulp Fiction",

"writer" : "Quentin Tarantino",

"year" : "1994",

"actors" : [

"John Travolta",

"Uma Thurman",

"Samuel L. Jackson"

]

}

**TEXT SEARCH**

1.

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

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobit, Bilbo Baggins,sets out the Lonely Mountain with a sprinted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon smaug." }

{ "\_id" : ObjectId("634e2683043e0fbc7c271afd"), "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 posession of a mysterious and magical ring." }

{ "\_id" : ObjectId("634e2691043e0fbc7c271afe"), "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." }

2.

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

{ "\_id" : ObjectId("634e2683043e0fbc7c271afd"), "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 posession of a mysterious and magical ring." }

3.

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

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobit, Bilbo Baggins,sets out the Lonely Mountain with a sprinted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon smaug." }

{ "\_id" : ObjectId("634e2691043e0fbc7c271afe"), "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:"Bilbo"}}, {synopsis:{$not:{$regex:"Gandalf"}}}]})

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobit, Bilbo Baggins,sets out the Lonely Mountain with a sprinted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon smaug." }

{ "\_id" : ObjectId("634e2691043e0fbc7c271afe"), "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." }

4.

> db.movies.find({$or:[{synopsis:{$regex:"dwarves"}},{synposis:{$regex:"hobbit"}}]})

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobit, Bilbo Baggins,sets out the Lonely Mountain with a sprinted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon smaug." }

{ "\_id" : ObjectId("634e2683043e0fbc7c271afd"), "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 posession of a mysterious and magical ring." }

5.

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

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobit, Bilbo Baggins,sets out the Lonely Mountain with a sprinted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon smaug." }

**DELETE**

1.

> db.movies.remove({\_id: ObjectId("634e269a043e0fbc7c271aff")})

WriteResult({ "nRemoved" : 1 })

2.

> db.movies.remove({\_id: ObjectId("634e26a3043e0fbc7c271b00")})

WriteResult({ "nRemoved" : 1 })

> db.movies.find()

{ "\_id" : ObjectId("634e25fc043e0fbc7c271af9"), "title" : "Fight Club", "writer" : "Chuk Palahniuko", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("634e2640043e0fbc7c271afa"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : "1994", "actors" : [ "John Travolta", "Uma Thurman", "Samuel L. Jackson" ] }

{ "\_id" : ObjectId("634e2652043e0fbc7c271afb"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

{ "\_id" : ObjectId("634e266e043e0fbc7c271afc"), "title" : "The Hobbit:An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobit, Bilbo Baggins,sets out the Lonely Mountain with a sprinted group of dwarves to reclaim their mountain home - and the gold within it - from the dragon smaug." }

{ "\_id" : ObjectId("634e2683043e0fbc7c271afd"), "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 posession of a mysterious and magical ring." }

{ "\_id" : ObjectId("634e2691043e0fbc7c271afe"), "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." }

**USERS**

1.

> db.users.insert({username:"GoodGuyGreg",first\_name:"Good Guy",last\_name:"Greg"})

WriteResult({ "nInserted" : 1 })

2.

> db.users.insert({username:"ScumbagSteve",full\_name:{first:"Scumbag",last:"Steve"}})

WriteResult({ "nInserted" : 1 })

> db.users.find()

{ "\_id" : ObjectId("634e34f0043e0fbc7c271b01"), "username" : "GoodGuyGreg", "first\_name" : "Good Guy", "last\_name" : "Greg" }

{ "\_id" : ObjectId("634e35c7043e0fbc7c271b02"), "username" : "ScumbagSteve", "full\_name" : { "first" : "Scumbag", "last" : "Steve" } }

**POSTS**

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

WriteResult({ "nInserted" : 1 })

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

WriteResult({ "nInserted" : 1 })

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

WriteResult({ "nInserted" : 1 })

> db.posts.insert({username:"ScumbagSteve",title:"Borrows something",body:"Sells it"})

WriteResult({ "nInserted" : 1 })

> db.posts.insert({username:"ScumbagSteve",title:"Borrows everything",body:"The end"})

WriteResult({ "nInserted" : 1 })

> db.posts.insert({username:"ScumbagSteve",title:"Forks your repo on github",body:"Sets to private"})

WriteResult({ "nInserted" : 1 })

> db.posts.find()

{ "\_id" : ObjectId("634e36a9043e0fbc7c271b03"), "username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up early and clean house" }

{ "\_id" : ObjectId("634e3732043e0fbc7c271b04"), "username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your credit score" }

{ "\_id" : ObjectId("634e37a8043e0fbc7c271b05"), "username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" : "Sends you a Pull Request" }

{ "\_id" : ObjectId("634e382f043e0fbc7c271b06"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }

{ "\_id" : ObjectId("634e3874043e0fbc7c271b07"), "username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end" }

{ "\_id" : ObjectId("634e38d1043e0fbc7c271b08"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }

**COMMENTS**

> db.comments.insert({username:"GoodGuyGreg",comment:"Hope you got a good deal!",post:ObjectId("634e382f043e0fbc7c271b06")})

WriteResult({ "nInserted" : 1 })

> db.comments.insert({username:"GoodGuyGreg",comment:"What's mine in yours!",post:ObjectId("634e3874043e0fbc7c271b07")})

WriteResult({ "nInserted" : 1 })

> db.comments.insert({username:"GoodGuyGreg",comment:"Don't violate the licensing agreement!",post:ObjectId("634e38d1043e0fbc7c271b08")})

WriteResult({ "nInserted" : 1 })

> db.comments.insert({username:"ScumbagSteve",comment:"It still isn't clean",post:ObjectId("634e36a9043e0fbc7c271b03")})

WriteResult({ "nInserted" : 1 })

> db.comments.insert({username:"ScumbagSteve",comment:"Denied your PR cause I found a hack",post:ObjectId("634e37a8043e0fbc7c271b05")})

WriteResult({ "nInserted" : 1 })

> db.comments.find()

{ "\_id" : ObjectId("634e3ae1043e0fbc7c271b09"), "username" : "GoodGuyGreg", "comment" : "Hope you got a good deal!", "post" : ObjectId("634e382f043e0fbc7c271b06") }

{ "\_id" : ObjectId("634e3bae043e0fbc7c271b0a"), "username" : "GoodGuyGreg", "comment" : "What's mine in yours!", "post" : ObjectId("634e3874043e0fbc7c271b07") }

{ "\_id" : ObjectId("634e3c56043e0fbc7c271b0b"), "username" : "GoodGuyGreg", "comment" : "Don't violate the licensing agreement!", "post" : ObjectId("634e38d1043e0fbc7c271b08") }

{ "\_id" : ObjectId("634e3d13043e0fbc7c271b0c"), "username" : "ScumbagSteve", "comment" : "It still isn't clean", "post" : ObjectId("634e36a9043e0fbc7c271b03") }

{ "\_id" : ObjectId("634e3dba043e0fbc7c271b0d"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : ObjectId("634e37a8043e0fbc7c271b05") }

**Querying related questions**

1.

> db.users.find()

{ "\_id" : ObjectId("634e34f0043e0fbc7c271b01"), "username" : "GoodGuyGreg", "first\_name" : "Good Guy", "last\_name" : "Greg" }

{ "\_id" : ObjectId("634e35c7043e0fbc7c271b02"), "username" : "ScumbagSteve", "full\_name" : { "first" : "Scumbag", "last" : "Steve" } }

2.

> db.posts.find()

{ "\_id" : ObjectId("634e36a9043e0fbc7c271b03"), "username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up early and clean house" }

{ "\_id" : ObjectId("634e3732043e0fbc7c271b04"), "username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your credit score" }

{ "\_id" : ObjectId("634e37a8043e0fbc7c271b05"), "username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" : "Sends you a Pull Request" }

{ "\_id" : ObjectId("634e382f043e0fbc7c271b06"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }

{ "\_id" : ObjectId("634e3874043e0fbc7c271b07"), "username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end" }

{ "\_id" : ObjectId("634e38d1043e0fbc7c271b08"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }

3.

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

{ "\_id" : ObjectId("634e36a9043e0fbc7c271b03"), "username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up early and clean house" }

{ "\_id" : ObjectId("634e3732043e0fbc7c271b04"), "username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your credit score" }

{ "\_id" : ObjectId("634e37a8043e0fbc7c271b05"), "username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" : "Sends you a Pull Request" }

4.

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

{ "\_id" : ObjectId("634e382f043e0fbc7c271b06"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }

{ "\_id" : ObjectId("634e3874043e0fbc7c271b07"), "username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end" }

{ "\_id" : ObjectId("634e38d1043e0fbc7c271b08"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }

5. > db.comments.find()

{ "\_id" : ObjectId("634e3ae1043e0fbc7c271b09"), "username" : "GoodGuyGreg", "comment" : "Hope you got a good deal!", "post" : ObjectId("634e382f043e0fbc7c271b06") }

{ "\_id" : ObjectId("634e3bae043e0fbc7c271b0a"), "username" : "GoodGuyGreg", "comment" : "What's mine in yours!", "post" : ObjectId("634e3874043e0fbc7c271b07") }

{ "\_id" : ObjectId("634e3c56043e0fbc7c271b0b"), "username" : "GoodGuyGreg", "comment" : "Don't violate the licensing agreement!", "post" : ObjectId("634e38d1043e0fbc7c271b08") }

{ "\_id" : ObjectId("634e3d13043e0fbc7c271b0c"), "username" : "ScumbagSteve", "comment" : "It still isn't clean", "post" : ObjectId("634e36a9043e0fbc7c271b03") }

{ "\_id" : ObjectId("634e3dba043e0fbc7c271b0d"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : ObjectId("634e37a8043e0fbc7c271b05") }

6.

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

{ "\_id" : ObjectId("634e3ae1043e0fbc7c271b09"), "username" : "GoodGuyGreg", "comment" : "Hope you got a good deal!", "post" : ObjectId("634e382f043e0fbc7c271b06") }

{ "\_id" : ObjectId("634e3bae043e0fbc7c271b0a"), "username" : "GoodGuyGreg", "comment" : "What's mine in yours!", "post" : ObjectId("634e3874043e0fbc7c271b07") }

{ "\_id" : ObjectId("634e3c56043e0fbc7c271b0b"), "username" : "GoodGuyGreg", "comment" : "Don't violate the licensing agreement!", "post" : ObjectId("634e38d1043e0fbc7c271b08") }

7.

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

{ "\_id" : ObjectId("634e3d13043e0fbc7c271b0c"), "username" : "ScumbagSteve", "comment" : "It still isn't clean", "post" : ObjectId("634e36a9043e0fbc7c271b03") }

{ "\_id" : ObjectId("634e3dba043e0fbc7c271b0d"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : ObjectId("634e37a8043e0fbc7c271b05") }

8.

> db.comments.find({post:ObjectId("634e37a8043e0fbc7c271b05")})

{ "\_id" : ObjectId("634e3dba043e0fbc7c271b0d"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : ObjectId("634e37a8043e0fbc7c271b05") }

> show dbs

admin 0.000GB

config 0.000GB

local 0.000GB

mongo\_practice 0.000GB

test 0.000GB

> show collections

comments

movies

posts

users

ASSIGNMENT 2

**ATLANTA population**

**1.**

> db.zipcodes.find({$and:[{city:"ATLANTA"},{state:"GA"}]})

{ "\_id" : "30303", "city" : "ATLANTA", "loc" : [ -84.388846, 33.752504 ], "pop" : 1845, "state" : "GA" }

{ "\_id" : "30305", "city" : "ATLANTA", "loc" : [ -84.385145, 33.831963 ], "pop" : 19122, "state" : "GA" }

{ "\_id" : "30306", "city" : "ATLANTA", "loc" : [ -84.351418, 33.786027 ], "pop" : 20081, "state" : "GA" }

{ "\_id" : "30307", "city" : "ATLANTA", "loc" : [ -84.335957, 33.769138 ], "pop" : 16330, "state" : "GA" }

{ "\_id" : "30308", "city" : "ATLANTA", "loc" : [ -84.375744, 33.771839 ], "pop" : 8549, "state" : "GA" }

{ "\_id" : "30309", "city" : "ATLANTA", "loc" : [ -84.388338, 33.798407 ], "pop" : 14766, "state" : "GA" }

{ "\_id" : "30310", "city" : "ATLANTA", "loc" : [ -84.423173, 33.727849 ], "pop" : 34017, "state" : "GA" }

{ "\_id" : "30311", "city" : "ATLANTA", "loc" : [ -84.470219, 33.722957 ], "pop" : 34880, "state" : "GA" }

{ "\_id" : "30312", "city" : "ATLANTA", "loc" : [ -84.378125, 33.746749 ], "pop" : 17683, "state" : "GA" }

{ "\_id" : "30313", "city" : "ATLANTA", "loc" : [ -84.39352, 33.76825 ], "pop" : 8038, "state" : "GA" }

{ "\_id" : "30315", "city" : "ATLANTA", "loc" : [ -84.380771, 33.705062 ], "pop" : 41061, "state" : "GA" }

{ "\_id" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }

{ "\_id" : "30317", "city" : "ATLANTA", "loc" : [ -84.31685, 33.749788 ], "pop" : 16395, "state" : "GA" }

{ "\_id" : "30318", "city" : "ATLANTA", "loc" : [ -84.445432, 33.786454 ], "pop" : 53894, "state" : "GA" }

{ "\_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "state" : "GA" }

{ "\_id" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }

{ "\_id" : "30326", "city" : "ATLANTA", "loc" : [ -84.358232, 33.848168 ], "pop" : 125, "state" : "GA" }

{ "\_id" : "30324", "city" : "ATLANTA", "loc" : [ -84.354867, 33.820609 ], "pop" : 15044, "state" : "GA" }

{ "\_id" : "30327", "city" : "ATLANTA", "loc" : [ -84.419966, 33.862723 ], "pop" : 18467, "state" : "GA" }

{ "\_id" : "30329", "city" : "ATLANTA", "loc" : [ -84.321402, 33.823555 ], "pop" : 17013, "state" : "GA" }

Type "it" for more

2.

> db.zipcodes.aggregate([

... {$match:{$and:[{city:"ATLANTA"},{state:"GA"}]}}])

{ "\_id" : "30303", "city" : "ATLANTA", "loc" : [ -84.388846, 33.752504 ], "pop" : 1845, "state" : "GA" }

{ "\_id" : "30305", "city" : "ATLANTA", "loc" : [ -84.385145, 33.831963 ], "pop" : 19122, "state" : "GA" }

{ "\_id" : "30306", "city" : "ATLANTA", "loc" : [ -84.351418, 33.786027 ], "pop" : 20081, "state" : "GA" }

{ "\_id" : "30307", "city" : "ATLANTA", "loc" : [ -84.335957, 33.769138 ], "pop" : 16330, "state" : "GA" }

{ "\_id" : "30308", "city" : "ATLANTA", "loc" : [ -84.375744, 33.771839 ], "pop" : 8549, "state" : "GA" }

{ "\_id" : "30309", "city" : "ATLANTA", "loc" : [ -84.388338, 33.798407 ], "pop" : 14766, "state" : "GA" }

{ "\_id" : "30310", "city" : "ATLANTA", "loc" : [ -84.423173, 33.727849 ], "pop" : 34017, "state" : "GA" }

{ "\_id" : "30311", "city" : "ATLANTA", "loc" : [ -84.470219, 33.722957 ], "pop" : 34880, "state" : "GA" }

{ "\_id" : "30312", "city" : "ATLANTA", "loc" : [ -84.378125, 33.746749 ], "pop" : 17683, "state" : "GA" }

{ "\_id" : "30313", "city" : "ATLANTA", "loc" : [ -84.39352, 33.76825 ], "pop" : 8038, "state" : "GA" }

{ "\_id" : "30315", "city" : "ATLANTA", "loc" : [ -84.380771, 33.705062 ], "pop" : 41061, "state" : "GA" }

{ "\_id" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }

{ "\_id" : "30317", "city" : "ATLANTA", "loc" : [ -84.31685, 33.749788 ], "pop" : 16395, "state" : "GA" }

{ "\_id" : "30318", "city" : "ATLANTA", "loc" : [ -84.445432, 33.786454 ], "pop" : 53894, "state" : "GA" }

{ "\_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "state" : "GA" }

{ "\_id" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }

{ "\_id" : "30326", "city" : "ATLANTA", "loc" : [ -84.358232, 33.848168 ], "pop" : 125, "state" : "GA" }

{ "\_id" : "30324", "city" : "ATLANTA", "loc" : [ -84.354867, 33.820609 ], "pop" : 15044, "state" : "GA" }

{ "\_id" : "30327", "city" : "ATLANTA", "loc" : [ -84.419966, 33.862723 ], "pop" : 18467, "state" : "GA" }

{ "\_id" : "30329", "city" : "ATLANTA", "loc" : [ -84.321402, 33.823555 ], "pop" : 17013, "state" : "GA" }

Type "it" for more

3.

> db.zipcodes.aggregate([{$match: {"city": "ATLANTA"}}, {$group: {\_id: "$city", zipcodesCount: {$sum: 1}}}])

{ "\_id" : "ATLANTA", "zipcodesCount" : 41 }

4.

> db.zipcodes.aggregate([

... {$group:{\_id:{state:"ATLANTA"},totalpop:{$sum:"$pop"}}}])

{ "\_id" : { "state" : "ATLANTA" }, "totalpop" : 248408400 }

**Populationby state**

**1.**

> db.zipcodes.aggregate([

... {$group:{\_id:{state:"$state"},totalpop:{$sum:"$pop"}}}])

{ "\_id" : { "state" : "WV" }, "totalpop" : 1793146 }

{ "\_id" : { "state" : "ND" }, "totalpop" : 638272 }

{ "\_id" : { "state" : "NY" }, "totalpop" : 17990402 }

{ "\_id" : { "state" : "FL" }, "totalpop" : 12686644 }

{ "\_id" : { "state" : "ME" }, "totalpop" : 1226648 }

{ "\_id" : { "state" : "IN" }, "totalpop" : 5544136 }

{ "\_id" : { "state" : "NE" }, "totalpop" : 1578139 }

{ "\_id" : { "state" : "KS" }, "totalpop" : 2475285 }

{ "\_id" : { "state" : "AR" }, "totalpop" : 2350725 }

{ "\_id" : { "state" : "NJ" }, "totalpop" : 7730188 }

{ "\_id" : { "state" : "VT" }, "totalpop" : 562758 }

{ "\_id" : { "state" : "WY" }, "totalpop" : 453528 }

{ "\_id" : { "state" : "AZ" }, "totalpop" : 3665228 }

{ "\_id" : { "state" : "CT" }, "totalpop" : 3287116 }

{ "\_id" : { "state" : "MO" }, "totalpop" : 5110648 }

{ "\_id" : { "state" : "CA" }, "totalpop" : 29754890 }

{ "\_id" : { "state" : "OR" }, "totalpop" : 2842321 }

{ "\_id" : { "state" : "WA" }, "totalpop" : 4866692 }

{ "\_id" : { "state" : "MT" }, "totalpop" : 798948 }

{ "\_id" : { "state" : "AK" }, "totalpop" : 544698 }

Type "it" for more

2.

> db.zipcodes.aggregate([

... {$sort:{pop:-1}}])

{ "\_id" : "60623", "city" : "CHICAGO", "loc" : [ -87.7157, 41.849015 ], "pop" : 112047, "state" : "IL" }

{ "\_id" : "11226", "city" : "BROOKLYN", "loc" : [ -73.956985, 40.646694 ], "pop" : 111396, "state" : "NY" }

{ "\_id" : "10021", "city" : "NEW YORK", "loc" : [ -73.958805, 40.768476 ], "pop" : 106564, "state" : "NY" }

{ "\_id" : "10025", "city" : "NEW YORK", "loc" : [ -73.968312, 40.797466 ], "pop" : 100027, "state" : "NY" }

{ "\_id" : "90201", "city" : "BELL GARDENS", "loc" : [ -118.17205, 33.969177 ], "pop" : 99568, "state" : "CA" }

{ "\_id" : "60617", "city" : "CHICAGO", "loc" : [ -87.556012, 41.725743 ], "pop" : 98612, "state" : "IL" }

{ "\_id" : "90011", "city" : "LOS ANGELES", "loc" : [ -118.258189, 34.007856 ], "pop" : 96074, "state" : "CA" }

{ "\_id" : "60647", "city" : "CHICAGO", "loc" : [ -87.704322, 41.920903 ], "pop" : 95971, "state" : "IL" }

{ "\_id" : "60628", "city" : "CHICAGO", "loc" : [ -87.624277, 41.693443 ], "pop" : 94317, "state" : "IL" }

{ "\_id" : "90650", "city" : "NORWALK", "loc" : [ -118.081767, 33.90564 ], "pop" : 94188, "state" : "CA" }

{ "\_id" : "60620", "city" : "CHICAGO", "loc" : [ -87.654251, 41.741119 ], "pop" : 92005, "state" : "IL" }

{ "\_id" : "60629", "city" : "CHICAGO", "loc" : [ -87.706936, 41.778149 ], "pop" : 91814, "state" : "IL" }

{ "\_id" : "60609", "city" : "CHICAGO", "loc" : [ -87.653279, 41.809721 ], "pop" : 89762, "state" : "IL" }

{ "\_id" : "60618", "city" : "CHICAGO", "loc" : [ -87.704214, 41.946401 ], "pop" : 88377, "state" : "IL" }

{ "\_id" : "11373", "city" : "JACKSON HEIGHTS", "loc" : [ -73.878551, 40.740388 ], "pop" : 88241, "state" : "NY" }

{ "\_id" : "91331", "city" : "ARLETA", "loc" : [ -118.420692, 34.258081 ], "pop" : 88114, "state" : "CA" }

{ "\_id" : "11212", "city" : "BROOKLYN", "loc" : [ -73.914483, 40.662474 ], "pop" : 87079, "state" : "NY" }

{ "\_id" : "90280", "city" : "SOUTH GATE", "loc" : [ -118.201349, 33.94617 ], "pop" : 87026, "state" : "CA" }

{ "\_id" : "11385", "city" : "RIDGEWOOD", "loc" : [ -73.896122, 40.703613 ], "pop" : 85732, "state" : "NY" }

{ "\_id" : "10467", "city" : "BRONX", "loc" : [ -73.871242, 40.873671 ], "pop" : 85710, "state" : "NY" }

Type "it" for more

3.

> db.zipcodes.aggregate([

... {$group:{\_id:{state:"$state"},totalPop:{$sum:"$pop"}}},

... {$sort:{pop:-1}},

... {$limit:3}])

{ "\_id" : { "state" : "NH" }, "totalPop" : 1109252 }

{ "\_id" : { "state" : "MN" }, "totalPop" : 4372982 }

{ "\_id" : { "state" : "KS" }, "totalPop" : 2475285 }

**POPULATION by city**

1.

> db.zipcodes.aggregate([

... {$group:{\_id:{state:"$state",city:"$city"},totalpop:{$sum:"$pop"}}}])

{ "\_id" : { "state" : "SD", "city" : "FLANDREAU" }, "totalpop" : 3851 }

{ "\_id" : { "state" : "CA", "city" : "DUBLIN" }, "totalpop" : 23275 }

{ "\_id" : { "state" : "AK", "city" : "PORT ALSWORTH" }, "totalpop" : 7 }

{ "\_id" : { "state" : "NJ", "city" : "HIGHTSTOWN" }, "totalpop" : 25674 }

{ "\_id" : { "state" : "PA", "city" : "UNION DALE" }, "totalpop" : 1325 }

{ "\_id" : { "state" : "KY", "city" : "HOLMES MILL" }, "totalpop" : 624 }

{ "\_id" : { "state" : "KS", "city" : "HILL CITY" }, "totalpop" : 2501 }

{ "\_id" : { "state" : "MI", "city" : "ADDISON TOWNSHIP" }, "totalpop" : 3963 }

{ "\_id" : { "state" : "TX", "city" : "BRIDGEPORT" }, "totalpop" : 9158 }

{ "\_id" : { "state" : "VA", "city" : "HALIFAX" }, "totalpop" : 7127 }

{ "\_id" : { "state" : "NM", "city" : "CHAMA" }, "totalpop" : 1103 }

{ "\_id" : { "state" : "WI", "city" : "ALLOUEZ" }, "totalpop" : 25108 }

{ "\_id" : { "state" : "KS", "city" : "SELDEN" }, "totalpop" : 872 }

{ "\_id" : { "state" : "IN", "city" : "ECKERTY" }, "totalpop" : 971 }

{ "\_id" : { "state" : "WI", "city" : "CATAWBA" }, "totalpop" : 616 }

{ "\_id" : { "state" : "MT", "city" : "RAYMOND" }, "totalpop" : 29 }

{ "\_id" : { "state" : "KS", "city" : "FORT RILEY" }, "totalpop" : 5363 }

{ "\_id" : { "state" : "MN", "city" : "CLARA CITY" }, "totalpop" : 1879 }

{ "\_id" : { "state" : "MI", "city" : "ECKERMAN" }, "totalpop" : 208 }

{ "\_id" : { "state" : "NY", "city" : "HORSEHEADS" }, "totalpop" : 20799 }

Type "it" for more

2.

> db.zipcodes.aggregate([

... {$sort:{pop:-1}}])

{ "\_id" : "60623", "city" : "CHICAGO", "loc" : [ -87.7157, 41.849015 ], "pop" : 112047, "state" : "IL" }

{ "\_id" : "11226", "city" : "BROOKLYN", "loc" : [ -73.956985, 40.646694 ], "pop" : 111396, "state" : "NY" }

{ "\_id" : "10021", "city" : "NEW YORK", "loc" : [ -73.958805, 40.768476 ], "pop" : 106564, "state" : "NY" }

{ "\_id" : "10025", "city" : "NEW YORK", "loc" : [ -73.968312, 40.797466 ], "pop" : 100027, "state" : "NY" }

{ "\_id" : "90201", "city" : "BELL GARDENS", "loc" : [ -118.17205, 33.969177 ], "pop" : 99568, "state" : "CA" }

{ "\_id" : "60617", "city" : "CHICAGO", "loc" : [ -87.556012, 41.725743 ], "pop" : 98612, "state" : "IL" }

{ "\_id" : "90011", "city" : "LOS ANGELES", "loc" : [ -118.258189, 34.007856 ], "pop" : 96074, "state" : "CA" }

{ "\_id" : "60647", "city" : "CHICAGO", "loc" : [ -87.704322, 41.920903 ], "pop" : 95971, "state" : "IL" }

{ "\_id" : "60628", "city" : "CHICAGO", "loc" : [ -87.624277, 41.693443 ], "pop" : 94317, "state" : "IL" }

{ "\_id" : "90650", "city" : "NORWALK", "loc" : [ -118.081767, 33.90564 ], "pop" : 94188, "state" : "CA" }

{ "\_id" : "60620", "city" : "CHICAGO", "loc" : [ -87.654251, 41.741119 ], "pop" : 92005, "state" : "IL" }

{ "\_id" : "60629", "city" : "CHICAGO", "loc" : [ -87.706936, 41.778149 ], "pop" : 91814, "state" : "IL" }

{ "\_id" : "60609", "city" : "CHICAGO", "loc" : [ -87.653279, 41.809721 ], "pop" : 89762, "state" : "IL" }

{ "\_id" : "60618", "city" : "CHICAGO", "loc" : [ -87.704214, 41.946401 ], "pop" : 88377, "state" : "IL" }

{ "\_id" : "11373", "city" : "JACKSON HEIGHTS", "loc" : [ -73.878551, 40.740388 ], "pop" : 88241, "state" : "NY" }

{ "\_id" : "91331", "city" : "ARLETA", "loc" : [ -118.420692, 34.258081 ], "pop" : 88114, "state" : "CA" }

{ "\_id" : "11212", "city" : "BROOKLYN", "loc" : [ -73.914483, 40.662474 ], "pop" : 87079, "state" : "NY" }

{ "\_id" : "90280", "city" : "SOUTH GATE", "loc" : [ -118.201349, 33.94617 ], "pop" : 87026, "state" : "CA" }

{ "\_id" : "11385", "city" : "RIDGEWOOD", "loc" : [ -73.896122, 40.703613 ], "pop" : 85732, "state" : "NY" }

{ "\_id" : "10467", "city" : "BRONX", "loc" : [ -73.871242, 40.873671 ], "pop" : 85710, "state" : "NY" }

Type "it" for more

3.

> db.zipcodes.aggregate([

... {$group:{\_id:{city:"$city"},totalPop:{$sum:"$pop"}}},

... {$sort:{pop:-1}},

... {$limit:3}])

{ "\_id" : { "city" : "DEWY ROSE" }, "totalPop" : 1138 }

{ "\_id" : { "city" : "BENTLEYVILLE" }, "totalPop" : 2673 }

{ "\_id" : { "city" : "STINSON BEACH" }, "totalPop" : 630 }

c

{ "\_id" : { "city" : null }, "total" : 248408400 }

>

> db.zipcodes.aggregate([

... {$group:{\_id:{city:"$TEXAS"}}},

... {$sort:{pop:-1}}

... ])

{ "\_id" : { "city" : null } }

**Bonus**

1.

> db.zipcodes.aggregate([

... {$group:{\_id:{city:"$city",state:"$state"},avgpop:{$avg:"$pop"}}}])

{ "\_id" : { "city" : "GEORGETOWN", "state" : "IN" }, "avgpop" : 4446 }

{ "\_id" : { "city" : "MC FADDEN", "state" : "WY" }, "avgpop" : 79 }

{ "\_id" : { "city" : "SNYDERTOWN", "state" : "PA" }, "avgpop" : 416 }

{ "\_id" : { "city" : "SAWYER", "state" : "OK" }, "avgpop" : 421 }

{ "\_id" : { "city" : "SAINT MARYS", "state" : "KS" }, "avgpop" : 2316 }

{ "\_id" : { "city" : "PEROTE", "state" : "AL" }, "avgpop" : 1792 }

{ "\_id" : { "city" : "VERNON", "state" : "CA" }, "avgpop" : 4090 }

{ "\_id" : { "city" : "RAVENSDALE", "state" : "WA" }, "avgpop" : 3778 }

{ "\_id" : { "city" : "NORTH BERWICK", "state" : "ME" }, "avgpop" : 6465 }

{ "\_id" : { "city" : "SPEEDWELL", "state" : "VA" }, "avgpop" : 633 }

{ "\_id" : { "city" : "KINGFIELD", "state" : "ME" }, "avgpop" : 1501 }

{ "\_id" : { "city" : "DAVEY", "state" : "NE" }, "avgpop" : 413 }

{ "\_id" : { "city" : "MADISON", "state" : "MS" }, "avgpop" : 12100 }

{ "\_id" : { "city" : "ELIZABETHTOWN", "state" : "NC" }, "avgpop" : 10444 }

{ "\_id" : { "city" : "INDEPENDENCE", "state" : "OR" }, "avgpop" : 5955 }

{ "\_id" : { "city" : "PINETOWN", "state" : "NC" }, "avgpop" : 1829 }

{ "\_id" : { "city" : "KILL DEVIL HILLS", "state" : "NC" }, "avgpop" : 7870 }

{ "\_id" : { "city" : "STOKES", "state" : "NC" }, "avgpop" : 922 }

{ "\_id" : { "city" : "RIVERSIDE", "state" : "OR" }, "avgpop" : 65 }

{ "\_id" : { "city" : "LANOKA HARBOR", "state" : "NJ" }, "avgpop" : 5473 }

Type "it" for more

2.

> db.zipcodes.aggregate([

... {$group:{\_id:{state:"$state"},pop:{$avg:"$pop"}}},

... {$sort:{pop:-1}},

... {$limit:3}])

{ "\_id" : { "state" : "DC" }, "pop" : 25287.5 }

{ "\_id" : { "state" : "CA" }, "pop" : 19627.236147757256 }

{ "\_id" : { "state" : "FL" }, "pop" : 15779.407960199005 }

**ASSIGNMENT 3**

1.

> use restaurants

switched to db restaurants

> db.addresses.find().pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a300fb"),

"address" : {

"building" : "2206",

"coord" : [

-74.1377286,

40.6119572

],

"street" : "Victory Boulevard",

"zipcode" : "10314"

},

"borough" : "Staten Island",

"cuisine" : "Jewish/Kosher",

"grades" : [

{

"date" : ISODate("2014-10-06T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2014-05-20T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-04-04T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-01-24T00:00:00Z"),

"grade" : "A",

"score" : 9

}

],

"name" : "Kosher Island",

"restaurant\_id" : "40356442"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a300fc"),

"address" : {

"building" : "6409",

"coord" : [

-74.00528899999999,

40.628886

],

"street" : "11 Avenue",

"zipcode" : "11219"

},

"borough" : "Brooklyn",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-07-18T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-07-30T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-02-13T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2012-08-16T00:00:00Z"),

"grade" : "A",

"score" : 2

},

{

"date" : ISODate("2011-08-17T00:00:00Z"),

"grade" : "A",

"score" : 11

}

],

"name" : "Regina Caterers",

"restaurant\_id" : "40356649"

}

………

2.

> db.addresses.aggregate([ {$group:{\_id:{restaurantid:"$restaurant\_id",name:"$name",borough:"$borough",cuisine:"$cuisine"}}}])

{ "\_id" : { "restaurantid" : "40383040", "name" : "Spring St. Natural Restaurant", "borough" : "Manhattan", "cuisine" : "American " } }

{ "\_id" : { "restaurantid" : "40512207", "name" : "Woodlawn Cafe", "borough" : "Bronx", "cuisine" : "American " } }

{ "\_id" : { "restaurantid" : "40535136", "name" : "Don Paco Lopez Panderia", "borough" : "Brooklyn", "cuisine" : "Spanish" } }

{ "\_id" : { "restaurantid" : "40395079", "name" : "Rudy'S Bar & Grill", "borough" : "Manhattan", "cuisine" : "American " } }

{ "\_id" : { "restaurantid" : "40384188", "name" : "La Mela Restaurant", "borough" : "Manhattan", "cuisine" : "Italian" } }

{ "\_id" : { "restaurantid" : "40662141", "name" : "J And D Pizza", "borough" : "Queens", "cuisine" : "Pizza" } }

{ "\_id" : { "restaurantid" : "40396464", "name" : "Ess-A-Bagel", "borough" : "Manhattan", "cuisine" : "Bagels/Pretzels" } }

{ "\_id" : { "restaurantid" : "40424437", "name" : "Capri Bakery", "borough" : "Manhattan", "cuisine" : "Bakery" } }

{ "\_id" : { "restaurantid" : "40885485", "name" : "Rico Pan Bakery", "borough" : "Queens", "cuisine" : "Bakery" } }

{ "\_id" : { "restaurantid" : "40561796", "name" : "Cafe Bar", "borough" : "Queens", "cuisine" : "Mediterranean" } }

{ "\_id" : { "restaurantid" : "40871234", "name" : "S & T Bagels & Deli", "borough" : "Staten Island", "cuisine" : "Bagels/Pretzels" } }

{ "\_id" : { "restaurantid" : "40885315", "name" : "Patsy'S Pizzeria Restaurant", "borough" : "Manhattan", "cuisine" : "Italian" } }

{ "\_id" : { "restaurantid" : "40700724", "name" : "Scalini Fedeli", "borough" : "Manhattan", "cuisine" : "Italian" } }

{ "\_id" : { "restaurantid" : "40365499", "name" : "Yankee Tavern", "borough" : "Bronx", "cuisine" : "American " } }

{ "\_id" : { "restaurantid" : "40402527", "name" : "Madison Square", "borough" : "Manhattan", "cuisine" : "American " } }

{ "\_id" : { "restaurantid" : "40372262", "name" : "La Ripaille Restaurant", "borough" : "Manhattan", "cuisine" : "French" } }

{ "\_id" : { "restaurantid" : "40609680", "name" : "Burger King", "borough" : "Staten Island", "cuisine" : "Hamburgers" } }

{ "\_id" : { "restaurantid" : "40383009", "name" : "Cha Cha'S Backyard Garden Bar & Cafe", "borough" : "Manhattan", "cuisine" : "Italian" } }

{ "\_id" : { "restaurantid" : "40395860", "name" : "Les Halles", "borough" : "Manhattan", "cuisine" : "French" } }

{ "\_id" : { "restaurantid" : "40864834", "name" : "Almar", "borough" : "Brooklyn", "cuisine" : "American " } }

3.

> db.addresses.aggregate([

... {$project:{\_id:0,restaurant\_id:1,name:1,borough:1,cuisine:1}}])

{ "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant\_id" : "40360045" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Steve Chu'S Deli & Grocery", "restaurant\_id" : "40361998" }

{ "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

{ "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

Type "it" for more

4.

> db.addresses.find({},{"restaurant\_id": 1, "borough": 1, "name":1,"address.zipcode":1, "\_id":0})

{ "address" : { "zipcode" : "10314" }, "borough" : "Staten Island", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "address" : { "zipcode" : "11219" }, "borough" : "Brooklyn", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "address" : { "zipcode" : "10462" }, "borough" : "Bronx", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "address" : { "zipcode" : "11374" }, "borough" : "Queens", "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "address" : { "zipcode" : "11226" }, "borough" : "Brooklyn", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "address" : { "zipcode" : "11214" }, "borough" : "Brooklyn", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "address" : { "zipcode" : "10460" }, "borough" : "Bronx", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "address" : { "zipcode" : "11208" }, "borough" : "Brooklyn", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "address" : { "zipcode" : "10065" }, "borough" : "Manhattan", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "address" : { "zipcode" : "11004" }, "borough" : "Queens", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "address" : { "zipcode" : "11218" }, "borough" : "Brooklyn", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "address" : { "zipcode" : "11223" }, "borough" : "Brooklyn", "name" : "Seuda Foods", "restaurant\_id" : "40360045" }

{ "address" : { "zipcode" : "11224" }, "borough" : "Brooklyn", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "address" : { "zipcode" : "11225" }, "borough" : "Brooklyn", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "address" : { "zipcode" : "11215" }, "borough" : "Brooklyn", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "address" : { "zipcode" : "11356" }, "borough" : "Queens", "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "address" : { "zipcode" : "11106" }, "borough" : "Queens", "name" : "Steve Chu'S Deli & Grocery", "restaurant\_id" : "40361998" }

{ "address" : { "zipcode" : "10003" }, "borough" : "Manhattan", "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

{ "address" : { "zipcode" : "10019" }, "borough" : "Manhattan", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "address" : { "zipcode" : "11234" }, "borough" : "Brooklyn", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

Type "it" for more

5.

> db.addresses.aggregate([

... {$match:{borough:"Bronx"}},

... {$limit:5}])

{ "\_id" : ObjectId("634fe9829c000e62f0a300fd"), "address" : { "building" : "1007", "coord" : [ -73.856077, 40.848447 ], "street" : "Morris Park Ave", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-01-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-03-10T00:00:00Z"), "grade" : "B", "score" : 14 } ], "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("634fe9829c000e62f0a30101"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-19T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 3 } ], "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3011a"), "address" : { "building" : "1006", "coord" : [ -73.84856870000002, 40.8903781 ], "street" : "East 233 Street", "zipcode" : "10466" }, "borough" : "Bronx", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-04-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-05T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-02-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-07-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-07-11T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Carvel Ice Cream", "restaurant\_id" : "40363093" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3011c"), "address" : { "building" : "1236", "coord" : [ -73.8893654, 40.81376179999999 ], "street" : "238 Spofford Ave", "zipcode" : "10474" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2013-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "Happy Garden", "restaurant\_id" : "40363289" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3012d"), "address" : { "building" : "277", "coord" : [ -73.8941893, 40.8634684 ], "street" : "East Kingsbridge Road", "zipcode" : "10458" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Happy Garden", "restaurant\_id" : "40364296" }

6.

> db.addresses.aggregate([

... {$match:{borough:"Bronx"}}

... ])

{ "\_id" : ObjectId("634fe9829c000e62f0a300fd"), "address" : { "building" : "1007", "coord" : [ -73.856077, 40.848447 ], "street" : "Morris Park Ave", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-01-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-03-10T00:00:00Z"), "grade" : "B", "score" : 14 } ], "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("634fe9829c000e62f0a30101"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-19T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 3 } ], "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3011a"), "address" : { "building" : "1006", "coord" : [ -73.84856870000002, 40.8903781 ], "street" : "East 233 Street", "zipcode" : "10466" }, "borough" : "Bronx", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-04-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-05T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-02-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-07-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-07-11T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Carvel Ice Cream", "restaurant\_id" : "40363093" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3011c"), "address" : { "building" : "1236", "coord" : [ -73.8893654, 40.81376179999999 ], "street" : "238 Spofford Ave", "zipcode" : "10474" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2013-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "Happy Garden", "restaurant\_id" : "40363289" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3012d"), "address" : { "building" : "277", "coord" : [ -73.8941893, 40.8634684 ], "street" : "East Kingsbridge Road", "zipcode" : "10458" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Happy Garden", "restaurant\_id" : "40364296" }

{ "\_id" : ObjectId("634fe9829c000e62f0a30136"), "address" : { "building" : "658", "coord" : [ -73.81363999999999, 40.82941100000001 ], "street" : "Clarence Ave", "zipcode" : "10465" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-21T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-07-11T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Manhem Club", "restaurant\_id" : "40364363" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3014d"), "address" : { "building" : "2222", "coord" : [ -73.84971759999999, 40.8304811 ], "street" : "Haviland Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-05-01T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2013-03-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-02-08T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "The New Starling Athletic Club Of The Bronx", "restaurant\_id" : "40364956" }

{ "\_id" : ObjectId("634fe9829c000e62f0a30162"), "address" : { "building" : "72", "coord" : [ -73.92506, 40.8275556 ], "street" : "East 161 Street", "zipcode" : "10451" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-11-14T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-07-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-12-31T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2012-05-30T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-09T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-08-15T00:00:00Z"), "grade" : "C", "score" : 37 } ], "name" : "Yankee Tavern", "restaurant\_id" : "40365499" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3017c"), "address" : { "building" : "331", "coord" : [ -73.87786539999999, 40.8724377 ], "street" : "East 204 Street", "zipcode" : "10467" }, "borough" : "Bronx", "cuisine" : "Irish", "grades" : [ { "date" : ISODate("2014-08-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-12-18T00:00:00Z"), "grade" : "B", "score" : 27 }, { "date" : ISODate("2011-10-20T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Mcdwyers Pub", "restaurant\_id" : "40365893" }

{ "\_id" : ObjectId("634fe9829c000e62f0a30194"), "address" : { "building" : "5820", "coord" : [ -73.9002615, 40.885186 ], "street" : "Broadway", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-26T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-10-09T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-05-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2011-10-17T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-06-22T00:00:00Z"), "grade" : "C", "score" : 35 } ], "name" : "The Punch Bowl", "restaurant\_id" : "40366497" }

…….

7.

> db.addresses.find({borough:"Bronx"}).skip(5).limit(5).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a30136"),

"address" : {

"building" : "658",

"coord" : [

-73.81363999999999,

40.82941100000001

],

"street" : "Clarence Ave",

"zipcode" : "10465"

},

"borough" : "Bronx",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-06-21T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2012-07-11T00:00:00Z"),

"grade" : "A",

"score" : 10

}

],

"name" : "Manhem Club",

"restaurant\_id" : "40364363"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3014d"),

"address" : {

"building" : "2222",

"coord" : [

-73.84971759999999,

40.8304811

],

"street" : "Haviland Avenue",

"zipcode" : "10462"

},

"borough" : "Bronx",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-12-18T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2014-05-01T00:00:00Z"),

"grade" : "B",

"score" : 17

},

{

"date" : ISODate("2013-03-14T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-09-20T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2012-02-08T00:00:00Z"),

"grade" : "B",

"score" : 19

}

],

"name" : "The New Starling Athletic Club Of The Bronx",

"restaurant\_id" : "40364956"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30162"),

"address" : {

"building" : "72",

"coord" : [

-73.92506,

40.8275556

],

"street" : "East 161 Street",

"zipcode" : "10451"

},

"borough" : "Bronx",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-04-15T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-11-14T00:00:00Z"),

"grade" : "A",

"score" : 4

},

{

"date" : ISODate("2013-07-29T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-12-31T00:00:00Z"),

"grade" : "B",

"score" : 15

},

{

"date" : ISODate("2012-05-30T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-01-09T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2011-08-15T00:00:00Z"),

"grade" : "C",

"score" : 37

}

],

"name" : "Yankee Tavern",

"restaurant\_id" : "40365499"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3017c"),

"address" : {

"building" : "331",

"coord" : [

-73.87786539999999,

40.8724377

],

"street" : "East 204 Street",

"zipcode" : "10467"

},

"borough" : "Bronx",

"cuisine" : "Irish",

"grades" : [

{

"date" : ISODate("2014-08-26T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2014-03-26T00:00:00Z"),

"grade" : "B",

"score" : 23

},

{

"date" : ISODate("2013-09-11T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-12-18T00:00:00Z"),

"grade" : "B",

"score" : 27

},

{

"date" : ISODate("2011-10-20T00:00:00Z"),

"grade" : "A",

"score" : 13

}

],

"name" : "Mcdwyers Pub",

"restaurant\_id" : "40365893"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30194"),

"address" : {

"building" : "5820",

"coord" : [

-73.9002615,

40.885186

],

"street" : "Broadway",

"zipcode" : "10463"

},

"borough" : "Bronx",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-02-26T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2013-10-09T00:00:00Z"),

"grade" : "B",

"score" : 19

},

{

"date" : ISODate("2013-05-15T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2012-11-20T00:00:00Z"),

"grade" : "B",

"score" : 18

},

{

"date" : ISODate("2011-10-17T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2011-06-22T00:00:00Z"),

"grade" : "C",

"score" : 35

}

],

"name" : "The Punch Bowl",

"restaurant\_id" : "40366497"

}

8.

> db.addresses.find({"grades.score":{$gt:90}}).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a30255"),

"address" : {

"building" : "65",

"coord" : [

-73.9782725,

40.7624022

],

"street" : "West 54 Street",

"zipcode" : "10019"

},

"borough" : "Manhattan",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-08-22T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2014-03-28T00:00:00Z"),

"grade" : "C",

"score" : 131

},

{

"date" : ISODate("2013-09-25T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2013-04-08T00:00:00Z"),

"grade" : "B",

"score" : 25

},

{

"date" : ISODate("2012-10-15T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2011-10-19T00:00:00Z"),

"grade" : "A",

"score" : 13

}

],

"name" : "Murals On 54/Randolphs'S",

"restaurant\_id" : "40372466"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a302fb"),

"address" : {

"building" : "345",

"coord" : [

-73.9864626,

40.7266739

],

"street" : "East 6 Street",

"zipcode" : "10003"

},

"borough" : "Manhattan",

"cuisine" : "Indian",

"grades" : [

{

"date" : ISODate("2014-09-15T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2014-01-14T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2013-05-30T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-04-24T00:00:00Z"),

"grade" : "P",

"score" : 2

},

{

"date" : ISODate("2012-10-01T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2012-04-06T00:00:00Z"),

"grade" : "C",

"score" : 92

},

{

"date" : ISODate("2011-11-03T00:00:00Z"),

"grade" : "C",

"score" : 41

}

],

"name" : "Gandhi",

"restaurant\_id" : "40381295"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3045d"),

"address" : {

"building" : "130",

"coord" : [

-73.984758,

40.7457939

],

"street" : "Madison Avenue",

"zipcode" : "10016"

},

"borough" : "Manhattan",

"cuisine" : "Pizza/Italian",

"grades" : [

{

"date" : ISODate("2014-12-24T00:00:00Z"),

"grade" : "Z",

"score" : 31

},

{

"date" : ISODate("2014-06-17T00:00:00Z"),

"grade" : "C",

"score" : 98

},

{

"date" : ISODate("2013-12-12T00:00:00Z"),

"grade" : "C",

"score" : 32

},

{

"date" : ISODate("2013-05-22T00:00:00Z"),

"grade" : "B",

"score" : 21

},

{

"date" : ISODate("2012-05-02T00:00:00Z"),

"grade" : "A",

"score" : 11

}

],

"name" : "Bella Napoli",

"restaurant\_id" : "40393488"

}

**9.**

> db.addresses.find({$and: [{"grades.score": {$gt: 80}},{"grades.score": {$lt:100}}]}).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a30255"),

"address" : {

"building" : "65",

"coord" : [

-73.9782725,

40.7624022

],

"street" : "West 54 Street",

"zipcode" : "10019"

},

"borough" : "Manhattan",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-08-22T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2014-03-28T00:00:00Z"),

"grade" : "C",

"score" : 131

},

{

"date" : ISODate("2013-09-25T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2013-04-08T00:00:00Z"),

"grade" : "B",

"score" : 25

},

{

"date" : ISODate("2012-10-15T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2011-10-19T00:00:00Z"),

"grade" : "A",

"score" : 13

}

],

"name" : "Murals On 54/Randolphs'S",

"restaurant\_id" : "40372466"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a302fb"),

"address" : {

"building" : "345",

"coord" : [

-73.9864626,

40.7266739

],

"street" : "East 6 Street",

"zipcode" : "10003"

},

"borough" : "Manhattan",

"cuisine" : "Indian",

"grades" : [

{

"date" : ISODate("2014-09-15T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2014-01-14T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2013-05-30T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-04-24T00:00:00Z"),

"grade" : "P",

"score" : 2

},

{

"date" : ISODate("2012-10-01T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2012-04-06T00:00:00Z"),

"grade" : "C",

"score" : 92

},

{

"date" : ISODate("2011-11-03T00:00:00Z"),

"grade" : "C",

"score" : 41

}

],

"name" : "Gandhi",

"restaurant\_id" : "40381295"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3045d"),

"address" : {

"building" : "130",

"coord" : [

-73.984758,

40.7457939

],

"street" : "Madison Avenue",

"zipcode" : "10016"

},

"borough" : "Manhattan",

"cuisine" : "Pizza/Italian",

"grades" : [

{

"date" : ISODate("2014-12-24T00:00:00Z"),

"grade" : "Z",

"score" : 31

},

{

"date" : ISODate("2014-06-17T00:00:00Z"),

"grade" : "C",

"score" : 98

},

{

"date" : ISODate("2013-12-12T00:00:00Z"),

"grade" : "C",

"score" : 32

},

{

"date" : ISODate("2013-05-22T00:00:00Z"),

"grade" : "B",

"score" : 21

},

{

"date" : ISODate("2012-05-02T00:00:00Z"),

"grade" : "A",

"score" : 11

}

],

"name" : "Bella Napoli",

"restaurant\_id" : "40393488"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30cc8"),

"address" : {

"building" : "",

"coord" : [

-74.0163793,

40.7167671

],

"street" : "Hudson River",

"zipcode" : "10282"

},

"borough" : "Manhattan",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-06-27T00:00:00Z"),

"grade" : "C",

"score" : 89

},

{

"date" : ISODate("2013-06-06T00:00:00Z"),

"grade" : "A",

"score" : 6

},

{

"date" : ISODate("2012-06-19T00:00:00Z"),

"grade" : "A",

"score" : 13

}

],

"name" : "West 79Th Street Boat Basin Cafe",

"restaurant\_id" : "40756344"

}

10.

> db.addresses.find({"address.coord":{$lt:-95.754168}}).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a3073f"),

"address" : {

"building" : "3707",

"coord" : [

-101.8945214,

33.5197474

],

"street" : "82 Street",

"zipcode" : "11372"

},

"borough" : "Queens",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-06-04T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-11-07T00:00:00Z"),

"grade" : "B",

"score" : 19

},

{

"date" : ISODate("2013-05-17T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2012-08-29T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2012-04-03T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2011-11-16T00:00:00Z"),

"grade" : "A",

"score" : 7

}

],

"name" : "Burger King",

"restaurant\_id" : "40534067"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30aaf"),

"address" : {

"building" : "15259",

"coord" : [

-119.6368672,

36.2504996

],

"street" : "10 Avenue",

"zipcode" : "11357"

},

"borough" : "Queens",

"cuisine" : "Italian",

"grades" : [

{

"date" : ISODate("2014-09-04T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2014-03-26T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2013-03-04T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-09-27T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-04-20T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2011-11-23T00:00:00Z"),

"grade" : "C",

"score" : 34

}

],

"name" : "Cascarino'S",

"restaurant\_id" : "40668681"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30f53"),

"address" : {

"building" : "60",

"coord" : [

-111.9975205,

42.0970258

],

"street" : "West Side Highway",

"zipcode" : "10006"

},

"borough" : "Manhattan",

"cuisine" : "Japanese",

"grades" : [

{

"date" : ISODate("2014-03-20T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-06-28T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2012-07-05T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2011-07-27T00:00:00Z"),

"grade" : "A",

"score" : 2

}

],

"name" : "Sports Center At Chelsea Piers (Sushi Bar)",

"restaurant\_id" : "40882356"

}

11.

> db.addresses.find(

... {$and:

... [

... {"cuisine" : {$ne :"American "}},

... {"grades.score" : {$gt : 70}},

... {"address.coord" : {$lt : -65.754168}}

... ]

... }

... ).pretty();

{

"\_id" : ObjectId("634fe9829c000e62f0a302fb"),

"address" : {

"building" : "345",

"coord" : [

-73.9864626,

40.7266739

],

"street" : "East 6 Street",

"zipcode" : "10003"

},

"borough" : "Manhattan",

"cuisine" : "Indian",

"grades" : [

{

"date" : ISODate("2014-09-15T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2014-01-14T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2013-05-30T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-04-24T00:00:00Z"),

"grade" : "P",

"score" : 2

},

{

"date" : ISODate("2012-10-01T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2012-04-06T00:00:00Z"),

"grade" : "C",

"score" : 92

},

{

"date" : ISODate("2011-11-03T00:00:00Z"),

"grade" : "C",

"score" : 41

}

],

"name" : "Gandhi",

"restaurant\_id" : "40381295"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3045d"),

"address" : {

"building" : "130",

"coord" : [

-73.984758,

40.7457939

],

"street" : "Madison Avenue",

"zipcode" : "10016"

},

"borough" : "Manhattan",

"cuisine" : "Pizza/Italian",

"grades" : [

{

"date" : ISODate("2014-12-24T00:00:00Z"),

"grade" : "Z",

"score" : 31

},

{

"date" : ISODate("2014-06-17T00:00:00Z"),

"grade" : "C",

"score" : 98

},

{

"date" : ISODate("2013-12-12T00:00:00Z"),

"grade" : "C",

"score" : 32

},

{

"date" : ISODate("2013-05-22T00:00:00Z"),

"grade" : "B",

"score" : 21

},

{

"date" : ISODate("2012-05-02T00:00:00Z"),

"grade" : "A",

"score" : 11

}

],

"name" : "Bella Napoli",

"restaurant\_id" : "40393488"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3046a"),

"address" : {

"building" : "101",

"coord" : [

-73.9243061,

40.8276297

],

"street" : "East 161 Street",

"zipcode" : "10451"

},

"borough" : "Bronx",

"cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)",

"grades" : [

{

"date" : ISODate("2014-04-10T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-10-01T00:00:00Z"),

"grade" : "A",

"score" : 6

},

{

"date" : ISODate("2013-04-11T00:00:00Z"),

"grade" : "B",

"score" : 25

},

{

"date" : ISODate("2012-10-25T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-10-10T00:00:00Z"),

"grade" : "P",

"score" : 12

},

{

"date" : ISODate("2012-05-25T00:00:00Z"),

"grade" : "B",

"score" : 14

},

{

"date" : ISODate("2011-09-14T00:00:00Z"),

"grade" : "B",

"score" : 26

},

{

"date" : ISODate("2011-04-25T00:00:00Z"),

"grade" : "C",

"score" : 76

}

],

"name" : "El Molino Rojo Restaurant",

"restaurant\_id" : "40393688"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a305b2"),

"address" : {

"building" : "289",

"coord" : [

-73.94610279999999,

40.7137587

],

"street" : "Manhattan Avenue",

"zipcode" : "11211"

},

"borough" : "Brooklyn",

"cuisine" : "Bakery",

"grades" : [

{

"date" : ISODate("2014-03-19T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-10-10T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-05-07T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-09-11T00:00:00Z"),

"grade" : "B",

"score" : 18

},

{

"date" : ISODate("2012-04-18T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2011-09-27T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2011-05-03T00:00:00Z"),

"grade" : "C",

"score" : 77

}

],

"name" : "Fortunato Bros Cafe & Bakery",

"restaurant\_id" : "40400561"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30be2"),

"address" : {

"building" : "231",

"coord" : [

-73.9772294,

40.7527262

],

"street" : "Grand Central Station",

"zipcode" : "10017"

},

"borough" : "Manhattan",

"cuisine" : "Italian",

"grades" : [

{

"date" : ISODate("2015-01-07T00:00:00Z"),

"grade" : "Z",

"score" : 20

},

{

"date" : ISODate("2014-07-03T00:00:00Z"),

"grade" : "B",

"score" : 14

},

{

"date" : ISODate("2013-12-21T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-05-17T00:00:00Z"),

"grade" : "C",

"score" : 76

},

{

"date" : ISODate("2012-04-20T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "Two Boots Grand Central",

"restaurant\_id" : "40725591"

}

**12**

> db.addresses.find(

... {$and:

... [

... {"cuisine" : {$ne :"American "}},

... {"grades.score" : {$gt : 70}},

... {"address.coord" : {$lt : -65.754168}}

... ]

... }

... ).pretty();

{

"\_id" : ObjectId("634fe9829c000e62f0a302fb"),

"address" : {

"building" : "345",

"coord" : [

-73.9864626,

40.7266739

],

"street" : "East 6 Street",

"zipcode" : "10003"

},

"borough" : "Manhattan",

"cuisine" : "Indian",

"grades" : [

{

"date" : ISODate("2014-09-15T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2014-01-14T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2013-05-30T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-04-24T00:00:00Z"),

"grade" : "P",

"score" : 2

},

{

"date" : ISODate("2012-10-01T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2012-04-06T00:00:00Z"),

"grade" : "C",

"score" : 92

},

{

"date" : ISODate("2011-11-03T00:00:00Z"),

"grade" : "C",

"score" : 41

}

],

"name" : "Gandhi",

"restaurant\_id" : "40381295"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3045d"),

"address" : {

"building" : "130",

"coord" : [

-73.984758,

40.7457939

],

"street" : "Madison Avenue",

"zipcode" : "10016"

},

"borough" : "Manhattan",

"cuisine" : "Pizza/Italian",

"grades" : [

{

"date" : ISODate("2014-12-24T00:00:00Z"),

"grade" : "Z",

"score" : 31

},

{

"date" : ISODate("2014-06-17T00:00:00Z"),

"grade" : "C",

"score" : 98

},

{

"date" : ISODate("2013-12-12T00:00:00Z"),

"grade" : "C",

"score" : 32

},

{

"date" : ISODate("2013-05-22T00:00:00Z"),

"grade" : "B",

"score" : 21

},

{

"date" : ISODate("2012-05-02T00:00:00Z"),

"grade" : "A",

"score" : 11

}

],

"name" : "Bella Napoli",

"restaurant\_id" : "40393488"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3046a"),

"address" : {

"building" : "101",

"coord" : [

-73.9243061,

40.8276297

],

"street" : "East 161 Street",

"zipcode" : "10451"

},

"borough" : "Bronx",

"cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)",

"grades" : [

{

"date" : ISODate("2014-04-10T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-10-01T00:00:00Z"),

"grade" : "A",

"score" : 6

},

{

"date" : ISODate("2013-04-11T00:00:00Z"),

"grade" : "B",

"score" : 25

},

{

"date" : ISODate("2012-10-25T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-10-10T00:00:00Z"),

"grade" : "P",

"score" : 12

},

{

"date" : ISODate("2012-05-25T00:00:00Z"),

"grade" : "B",

"score" : 14

},

{

"date" : ISODate("2011-09-14T00:00:00Z"),

"grade" : "B",

"score" : 26

},

{

"date" : ISODate("2011-04-25T00:00:00Z"),

"grade" : "C",

"score" : 76

}

],

"name" : "El Molino Rojo Restaurant",

"restaurant\_id" : "40393688"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a305b2"),

"address" : {

"building" : "289",

"coord" : [

-73.94610279999999,

40.7137587

],

"street" : "Manhattan Avenue",

"zipcode" : "11211"

},

"borough" : "Brooklyn",

"cuisine" : "Bakery",

"grades" : [

{

"date" : ISODate("2014-03-19T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-10-10T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-05-07T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-09-11T00:00:00Z"),

"grade" : "B",

"score" : 18

},

{

"date" : ISODate("2012-04-18T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2011-09-27T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2011-05-03T00:00:00Z"),

"grade" : "C",

"score" : 77

}

],

"name" : "Fortunato Bros Cafe & Bakery",

"restaurant\_id" : "40400561"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30be2"),

"address" : {

"building" : "231",

"coord" : [

-73.9772294,

40.7527262

],

"street" : "Grand Central Station",

"zipcode" : "10017"

},

"borough" : "Manhattan",

"cuisine" : "Italian",

"grades" : [

{

"date" : ISODate("2015-01-07T00:00:00Z"),

"grade" : "Z",

"score" : 20

},

{

"date" : ISODate("2014-07-03T00:00:00Z"),

"grade" : "B",

"score" : 14

},

{

"date" : ISODate("2013-12-21T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-05-17T00:00:00Z"),

"grade" : "C",

"score" : 76

},

{

"date" : ISODate("2012-04-20T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "Two Boots Grand Central",

"restaurant\_id" : "40725591"

}

13.

> db.addresses.find({$and:[{"cuisine":{$ne:"American"}},{"grades.grade" :"A"},{"borough":{$ne:"Brooklyn"}}]}).sort({"cuisine":-1}).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a30812"),

"address" : {

"building" : "89",

"coord" : [

-73.9995899,

40.7168015

],

"street" : "Baxter Street",

"zipcode" : "10013"

},

"borough" : "Manhattan",

"cuisine" : "Vietnamese/Cambodian/Malaysia",

"grades" : [

{

"date" : ISODate("2014-08-21T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-08-31T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-04-11T00:00:00Z"),

"grade" : "C",

"score" : 3

},

{

"date" : ISODate("2012-10-17T00:00:00Z"),

"grade" : "A",

"score" : 4

},

{

"date" : ISODate("2012-05-15T00:00:00Z"),

"grade" : "A",

"score" : 10

}

],

"name" : "Thai Son",

"restaurant\_id" : "40559606"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a308be"),

"address" : {

"building" : "8278",

"coord" : [

-73.88143509999999,

40.7412552

],

"street" : "Broadway",

"zipcode" : "11373"

},

"borough" : "Queens",

"cuisine" : "Vietnamese/Cambodian/Malaysia",

"grades" : [

{

"date" : ISODate("2014-06-12T00:00:00Z"),

"grade" : "B",

"score" : 21

},

{

"date" : ISODate("2013-05-20T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-12-26T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-12-03T00:00:00Z"),

"grade" : "P",

"score" : 5

},

{

"date" : ISODate("2012-05-04T00:00:00Z"),

"grade" : "B",

"score" : 27

}

],

"name" : "Pho Bac Vietnamese Seafood Cuisine",

"restaurant\_id" : "40578058"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30cae"),

"address" : {

"building" : "148",

"coord" : [

-74.000254,

40.7172727

],

"street" : "Centre Street",

"zipcode" : "10013"

},

"borough" : "Manhattan",

"cuisine" : "Vietnamese/Cambodian/Malaysia",

"grades" : [

{

"date" : ISODate("2014-10-01T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2014-05-19T00:00:00Z"),

"grade" : "C",

"score" : 5

},

{

"date" : ISODate("2013-11-15T00:00:00Z"),

"grade" : "B",

"score" : 14

},

{

"date" : ISODate("2013-03-08T00:00:00Z"),

"grade" : "B",

"score" : 25

},

{

"date" : ISODate("2012-05-22T00:00:00Z"),

"grade" : "B",

"score" : 23

},

{

"date" : ISODate("2011-10-27T00:00:00Z"),

"grade" : "A",

"score" : 9

}

],

"name" : "Nha-Trang Centre Vietnam Restaurant",

"restaurant\_id" : "40751226"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a303a9"),

"address" : {

"building" : "300",

"coord" : [

-73.985568,

40.7307496

],

"street" : "East 12 Street",

"zipcode" : "10003"

},

"borough" : "Manhattan",

"cuisine" : "Vegetarian",

"grades" : [

{

"date" : ISODate("2014-02-05T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-04-24T00:00:00Z"),

"grade" : "B",

"score" : 19

},

{

"date" : ISODate("2012-01-17T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2011-07-25T00:00:00Z"),

"grade" : "A",

"score" : 10

}

],

"name" : "Angelica Kitchen",

"restaurant\_id" : "40388281"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3055f"),

"address" : {

"building" : "1307",

"coord" : [

-73.9589834,

40.77141839999999

],

"street" : "3 Avenue",

"zipcode" : "10021"

},

"borough" : "Manhattan",

"cuisine" : "Vegetarian",

"grades" : [

{

"date" : ISODate("2014-12-03T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2014-02-18T00:00:00Z"),

"grade" : "B",

"score" : 22

},

{

"date" : ISODate("2013-06-25T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-06-28T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "Candle Cafe",

"restaurant\_id" : "40399007"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a306c8"),

"address" : {

"building" : "547",

"coord" : [

-92.7292446,

41.7461746

],

"street" : "6 Avenue",

"zipcode" : "10011"

},

"borough" : "Manhattan",

"cuisine" : "Vegetarian",

"grades" : [

{

"date" : ISODate("2014-09-26T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2014-04-07T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-10-03T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-09-10T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2012-04-30T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2011-11-30T00:00:00Z"),

"grade" : "A",

"score" : 11

}

],

"name" : "Village Yogurt",

"restaurant\_id" : "40512123"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30768"),

"address" : {

"building" : "46",

"coord" : [

-74.000252,

40.7356228

],

"street" : "Greenwich Avenue",

"zipcode" : "10011"

},

"borough" : "Manhattan",

"cuisine" : "Vegetarian",

"grades" : [

{

"date" : ISODate("2014-07-01T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-12-31T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2013-05-24T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2012-10-11T00:00:00Z"),

"grade" : "A",

"score" : 6

}

],

"name" : "Village Natural",

"restaurant\_id" : "40536786"

}

………

14.

> db.addresses.find(

... {name: /^Wil/},

... {

... "restaurant\_id" : 1,

... "name":1,"borough":1,

... "cuisine" :1

... })

{ "\_id" : ObjectId("634fe9829c000e62f0a30101"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("634fe9829c000e62f0a3010e"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

{ "\_id" : ObjectId("634fe9829c000e62f0a30f0a"), "borough" : "Bronx", "cuisine" : "Pizza", "name" : "Wilbel Pizza", "restaurant\_id" : "40871979" }

15.

> db.addresses.find(

... {"name":{"$regex":"ces$"}},

... {

... "restaurant\_id" : 1,

... "name":1,"borough":1,

... "cuisine" :1

... }).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a3058d"),

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "Pieces",

"restaurant\_id" : "40399910"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3064c"),

"borough" : "Queens",

"cuisine" : "American ",

"name" : "S.M.R Restaurant Services",

"restaurant\_id" : "40403857"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30658"),

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "Good Shepherd Services",

"restaurant\_id" : "40403989"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30b03"),

"borough" : "Queens",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"name" : "The Ice Box-Ralph'S Famous Italian Ices",

"restaurant\_id" : "40690899"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30d0a"),

"borough" : "Brooklyn",

"cuisine" : "Jewish/Kosher",

"name" : "Alices",

"restaurant\_id" : "40782042"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30f23"),

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "Re: Sources",

"restaurant\_id" : "40876068"

}

16.

> db.addresses.find({

... "name":/.\*Reg.\*/},

... {"restaurant\_id":1,

... "name":1, "borough":1,

... "cuisine":1, "\_id":0}).pretty()

{

"borough" : "Brooklyn",

"cuisine" : "American ",

"name" : "Regina Caterers",

"restaurant\_id" : "40356649"

}

{

"borough" : "Manhattan",

"cuisine" : "Café/Coffee/Tea",

"name" : "Caffe Reggio",

"restaurant\_id" : "40369418"

}

{

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "Regency Hotel",

"restaurant\_id" : "40382679"

}

{

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "Regency Whist Club",

"restaurant\_id" : "40402377"

}

{

"borough" : "Queens",

"cuisine" : "American ",

"name" : "Rego Park Cafe",

"restaurant\_id" : "40523342"

}

{

"borough" : "Queens",

"cuisine" : "Pizza",

"name" : "Regina Pizza",

"restaurant\_id" : "40801325"

}

{

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "Regal Entertainment Group",

"restaurant\_id" : "40891782"

}

17.

> db.addresses.find({

... "borough":"Bronx",

... $or:[

... {"cuisine":"American "},

... {"cuisine":"Chinese"}

... ]}).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a30101"),

"address" : {

"building" : "2300",

"coord" : [

-73.8786113,

40.8502883

],

"street" : "Southern Boulevard",

"zipcode" : "10460"

},

"borough" : "Bronx",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-05-28T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2013-06-19T00:00:00Z"),

"grade" : "A",

"score" : 4

},

{

"date" : ISODate("2012-06-15T00:00:00Z"),

"grade" : "A",

"score" : 3

}

],

"name" : "Wild Asia",

"restaurant\_id" : "40357217"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3011c"),

"address" : {

"building" : "1236",

"coord" : [

-73.8893654,

40.81376179999999

],

"street" : "238 Spofford Ave",

"zipcode" : "10474"

},

"borough" : "Bronx",

"cuisine" : "Chinese",

"grades" : [

{

"date" : ISODate("2013-12-30T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2013-01-08T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-06-12T00:00:00Z"),

"grade" : "B",

"score" : 15

}

],

"name" : "Happy Garden",

"restaurant\_id" : "40363289"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3012d"),

"address" : {

"building" : "277",

"coord" : [

-73.8941893,

40.8634684

],

"street" : "East Kingsbridge Road",

"zipcode" : "10458"

},

"borough" : "Bronx",

"cuisine" : "Chinese",

"grades" : [

{

"date" : ISODate("2014-03-03T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-09-26T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-03-19T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-08-29T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2011-08-17T00:00:00Z"),

"grade" : "A",

"score" : 13

}

],

"name" : "Happy Garden",

"restaurant\_id" : "40364296"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30136"),

"address" : {

"building" : "658",

"coord" : [

-73.81363999999999,

40.82941100000001

],

"street" : "Clarence Ave",

"zipcode" : "10465"

},

"borough" : "Bronx",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-06-21T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2012-07-11T00:00:00Z"),

"grade" : "A",

"score" : 10

}

],

"name" : "Manhem Club",

"restaurant\_id" : "40364363"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a3014d"),

"address" : {

"building" : "2222",

"coord" : [

-73.84971759999999,

40.8304811

],

"street" : "Haviland Avenue",

"zipcode" : "10462"

},

"borough" : "Bronx",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-12-18T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2014-05-01T00:00:00Z"),

"grade" : "B",

"score" : 17

},

{

"date" : ISODate("2013-03-14T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-09-20T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2012-02-08T00:00:00Z"),

"grade" : "B",

"score" : 19

}

],

"name" : "The New Starling Athletic Club Of The Bronx",

"restaurant\_id" : "40364956"

}

18.

> db.addresses.find(

... {

... "borough":{

... $in:["Staten Island", "Queens","Bronx","Brooklyn"]}},

... {"restaurant\_id":1, "name":1, "borough":1, "cuisine":1, "\_id":0}).pretty()

{

"borough" : "Staten Island",

"cuisine" : "Jewish/Kosher",

"name" : "Kosher Island",

"restaurant\_id" : "40356442"

}

{

"borough" : "Brooklyn",

"cuisine" : "American ",

"name" : "Regina Caterers",

"restaurant\_id" : "40356649"

}

{

"borough" : "Bronx",

"cuisine" : "Bakery",

"name" : "Morris Park Bake Shop",

"restaurant\_id" : "30075445"

}

{

"borough" : "Queens",

"cuisine" : "Jewish/Kosher",

"name" : "Tov Kosher Kitchen",

"restaurant\_id" : "40356068"

}

{

"borough" : "Brooklyn",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"name" : "Taste The Tropics Ice Cream",

"restaurant\_id" : "40356731"

}

{

"borough" : "Brooklyn",

"cuisine" : "American ",

"name" : "C & C Catering Service",

"restaurant\_id" : "40357437"

}

{

"borough" : "Bronx",

"cuisine" : "American ",

"name" : "Wild Asia",

"restaurant\_id" : "40357217"

}

{

"borough" : "Brooklyn",

"cuisine" : "Chinese",

"name" : "May May Kitchen",

"restaurant\_id" : "40358429"

}

{

"borough" : "Queens",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"name" : "Carvel Ice Cream",

"restaurant\_id" : "40361322"

}

{

"borough" : "Brooklyn",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"name" : "Carvel Ice Cream",

"restaurant\_id" : "40360076"

}

{

"borough" : "Brooklyn",

"cuisine" : "Jewish/Kosher",

"name" : "Seuda Foods",

"restaurant\_id" : "40360045"

}

{

"borough" : "Brooklyn",

"cuisine" : "American ",

"name" : "Riviera Caterer",

"restaurant\_id" : "40356018"

}

{

"borough" : "Brooklyn",

"cuisine" : "Hamburgers",

"name" : "Wendy'S",

"restaurant\_id" : "30112340"

}

{

"borough" : "Brooklyn",

"cuisine" : "American ",

"name" : "The Movable Feast",

"restaurant\_id" : "40361606"

}

{

"borough" : "Queens",

"cuisine" : "Delicatessen",

"name" : "Sal'S Deli",

"restaurant\_id" : "40361618"

}

….

19.

> db.addresses.find(

... { "borough":{

... $nin:["Staten Island", "Queens","Bronx","Brooklyn"]}},

... {"restaurant\_id":1, "name":1, "borough":1, "cuisine":1, "\_id":0}

... ).pretty()

{

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "1 East 66Th Street Kitchen",

"restaurant\_id" : "40359480"

}

{

"borough" : "Manhattan",

"cuisine" : "Delicatessen",

"name" : "Bully'S Deli",

"restaurant\_id" : "40361708"

}

{

"borough" : "Manhattan",

"cuisine" : "Irish",

"name" : "Dj Reynolds Pub And Restaurant",

"restaurant\_id" : "30191841"

}

{

"borough" : "Manhattan",

"cuisine" : "Chicken",

"name" : "Harriet'S Kitchen",

"restaurant\_id" : "40362098"

}

{

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "Glorious Food",

"restaurant\_id" : "40361521"

}

{

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "P & S Deli Grocery",

"restaurant\_id" : "40362264"

}

{

"borough" : "Manhattan",

"cuisine" : "American ",

"name" : "Angelika Film Center",

"restaurant\_id" : "40362274"

}

{

"borough" : "Manhattan",

"cuisine" : "Turkish",

"name" : "The Country Cafe",

"restaurant\_id" : "40362715"

}

…….

20.

> db.addresses.find({"grades.score":{$lte:10}},

... {"restaurant\_id":1, "name":1, "borough":1, "cuisine":1,"grades.score":1, "\_id":0}).pretty()

{

"borough" : "Staten Island",

"cuisine" : "Jewish/Kosher",

"grades" : [

{

"score" : 9

},

{

"score" : 12

},

{

"score" : 12

},

{

"score" : 9

}

],

"name" : "Kosher Island",

"restaurant\_id" : "40356442"

}

{

"borough" : "Brooklyn",

"cuisine" : "American ",

"grades" : [

{

"score" : 12

},

{

"score" : 12

},

{

"score" : 11

},

{

"score" : 2

},

{

"score" : 11

}

],

"name" : "Regina Caterers",

"restaurant\_id" : "40356649"

}

{

"borough" : "Bronx",

"cuisine" : "Bakery",

"grades" : [

{

"score" : 2

},

{

"score" : 6

},

{

"score" : 10

},

{

"score" : 9

},

{

"score" : 14

}

],

"name" : "Morris Park Bake Shop",

"restaurant\_id" : "30075445"

}

{

"borough" : "Brooklyn",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"grades" : [

{

"score" : 12

},

{

"score" : 8

},

{

"score" : 5

},

{

"score" : 8

}

],

"name" : "Taste The Tropics Ice Cream",

"restaurant\_id" : "40356731"

}

{

"borough" : "Brooklyn",

"cuisine" : "American ",

"grades" : [

{

"score" : 5

},

{

"score" : 2

},

{

"score" : 5

},

{

"score" : 2

}

],

"name" : "C & C Catering Service",

"restaurant\_id" : "40357437"

}

{

"borough" : "Bronx",

"cuisine" : "American ",

"grades" : [

{

"score" : 11

},

{

"score" : 4

},

{

"score" : 3

}

],

"name" : "Wild Asia",

"restaurant\_id" : "40357217"

}

{

"borough" : "Brooklyn",

"cuisine" : "Chinese",

"grades" : [

{

"score" : 21

},

{

"score" : 7

},

{

"score" : 56

},

{

"score" : 27

},

{

"score" : 27

}

],

"name" : "May May Kitchen",

"restaurant\_id" : "40358429"

}

{

"borough" : "Manhattan",

"cuisine" : "American ",

"grades" : [

{

"score" : 3

},

{

"score" : 4

},

{

"score" : 6

},

{

"score" : 0

}

],

"name" : "1 East 66Th Street Kitchen",

"restaurant\_id" : "40359480"

}

{

"borough" : "Queens",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"grades" : [

{

"score" : 9

},

{

"score" : 10

},

{

"score" : 13

}

],

"name" : "Carvel Ice Cream",

"restaurant\_id" : "40361322"

}

……..

21.

> db.addresses.find(

... {$or:[

... {"name":/^Wil/},

... {$and:[

... {"cuisine":{$ne:"American "}},

... {"cuisine":{$ne:"Chinese"}}]}

... ]},{"restaurant\_id":1, "name":1, "borough":1, "cuisine":1, "\_id":0}).pretty()

{

"borough" : "Staten Island",

"cuisine" : "Jewish/Kosher",

"name" : "Kosher Island",

"restaurant\_id" : "40356442"

}

{

"borough" : "Bronx",

"cuisine" : "Bakery",

"name" : "Morris Park Bake Shop",

"restaurant\_id" : "30075445"

}

{

"borough" : "Queens",

"cuisine" : "Jewish/Kosher",

"name" : "Tov Kosher Kitchen",

"restaurant\_id" : "40356068"

}

{

"borough" : "Brooklyn",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"name" : "Taste The Tropics Ice Cream",

"restaurant\_id" : "40356731"

}

{

"borough" : "Bronx",

"cuisine" : "American ",

"name" : "Wild Asia",

"restaurant\_id" : "40357217"

}

{

"borough" : "Queens",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"name" : "Carvel Ice Cream",

"restaurant\_id" : "40361322"

}

{

"borough" : "Brooklyn",

"cuisine" : "Ice Cream, Gelato, Yogurt, Ices",

"name" : "Carvel Ice Cream",

"restaurant\_id" : "40360076"

}

{

"borough" : "Brooklyn",

"cuisine" : "Jewish/Kosher",

"name" : "Seuda Foods",

"restaurant\_id" : "40360045"

}

{

"borough" : "Brooklyn",

"cuisine" : "Hamburgers",

"name" : "Wendy'S",

"restaurant\_id" : "30112340"

}

{

"borough" : "Queens",

"cuisine" : "Delicatessen",

"name" : "Sal'S Deli",

"restaurant\_id" : "40361618"

}

{

"borough" : "Queens",

"cuisine" : "Delicatessen",

"name" : "Steve Chu'S Deli & Grocery",

"restaurant\_id" : "40361998"

}

{

"borough" : "Manhattan",

"cuisine" : "Delicatessen",

"name" : "Bully'S Deli",

"restaurant\_id" : "40361708"

}

{

"borough" : "Manhattan",

"cuisine" : "Irish",

"name" : "Dj Reynolds Pub And Restaurant",

"restaurant\_id" : "30191841"

}

{

"borough" : "Brooklyn",

"cuisine" : "Delicatessen",

"name" : "Wilken'S Fine Food",

"restaurant\_id" : "40356483"

}

{

"borough" : "Manhattan",

"cuisine" : "Chicken",

"name" : "Harriet'S Kitchen",

"restaurant\_id" : "40362098"

}

{

"borough" : "Brooklyn",

"cuisine" : "Delicatessen",

"name" : "Nordic Delicacies",

"restaurant\_id" : "40361390"

}

….

22.

> db.addresses.find({

... $and:[

... {"grades.grade":"A"},

... {"grades.score":11},

... {"grades.date":ISODate("2014-08-11T00:00:00Z")}

... ]},

... {"restaurant\_id":1, "name":1, "borough":1, "grades":1, "\_id":0}).pretty()

{

"borough" : "Manhattan",

"grades" : [

{

"date" : ISODate("2014-08-11T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-07-22T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-03-14T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-07-02T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2012-02-02T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2011-08-24T00:00:00Z"),

"grade" : "A",

"score" : 11

}

],

"name" : "Neary'S Pub",

"restaurant\_id" : "40365871"

}

{

"borough" : "Manhattan",

"grades" : [

{

"date" : ISODate("2014-08-11T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2013-12-10T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-06-10T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-06-08T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-01-25T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2011-09-13T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "Don Filippo Restaurant",

"restaurant\_id" : "40372417"

}

{

"borough" : "Manhattan",

"grades" : [

{

"date" : ISODate("2014-08-11T00:00:00Z"),

"grade" : "A",

"score" : 6

},

{

"date" : ISODate("2013-08-29T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-04-25T00:00:00Z"),

"grade" : "C",

"score" : 2

},

{

"date" : ISODate("2012-10-23T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-04-16T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2011-11-15T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "Mustang Sally'S Restaurant",

"restaurant\_id" : "40397374"

}

…..

23.

> db.addresses.find({

... $and:[

... {"grades.grade":"A"},

... {"grades.score":9},

... {"grades.date":ISODate("2014-08-11T00:00:00Z")}

... ]},

... {"restaurant\_id":1, "name":1, "borough":1, "grades":1, "\_id":0}).pretty()

{

"borough" : "Manhattan",

"grades" : [

{

"date" : ISODate("2014-08-11T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2014-03-14T00:00:00Z"),

"grade" : "A",

"score" : 3

},

{

"date" : ISODate("2013-01-16T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-07-12T00:00:00Z"),

"grade" : "A",

"score" : 9

}

],

"name" : "Serendipity 3",

"restaurant\_id" : "40364863"

}

{

"borough" : "Manhattan",

"grades" : [

{

"date" : ISODate("2014-08-11T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-07-22T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-03-14T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-07-02T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2012-02-02T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2011-08-24T00:00:00Z"),

"grade" : "A",

"score" : 11

}

],

"name" : "Neary'S Pub",

"restaurant\_id" : "40365871"

}

{

"borough" : "Manhattan",

"grades" : [

{

"date" : ISODate("2014-08-11T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2013-12-10T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-06-10T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-06-08T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-01-25T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2011-09-13T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "Don Filippo Restaurant",

"restaurant\_id" : "40372417"

}

{

"borough" : "Manhattan",

"grades" : [

{

"date" : ISODate("2014-08-11T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2014-02-18T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-06-25T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2012-05-23T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2011-12-27T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2011-08-30T00:00:00Z"),

"grade" : "A",

"score" : 9

}

],

"name" : "Pietros",

"restaurant\_id" : "40381595"

}

……

24.

> db.addresses.find(

... {$and:

... [{"address.coord.1":{$gte:42}},

... {"address.coord.1":{$lte:52}}]},

... {"restaurant\_id":1, "name":1, "address.coord":1, "\_id":0})

{ "address" : { "coord" : [ -78.877224, 42.89546199999999 ] }, "name" : "T.G.I. Friday'S", "restaurant\_id" : "40387990" }

{ "address" : { "coord" : [ -0.7119979, 51.6514664 ] }, "name" : "T.G.I. Fridays", "restaurant\_id" : "40388936" }

{ "address" : { "coord" : [ -87.86567699999999, 42.61150920000001 ] }, "name" : "Di Luvio'S Deli", "restaurant\_id" : "40402284" }

{ "address" : { "coord" : [ -78.589606, 42.8912372 ] }, "name" : "La Caridad 78", "restaurant\_id" : "40568285" }

{ "address" : { "coord" : [ -84.9751215, 45.4713351 ] }, "name" : "Bijan'S", "restaurant\_id" : "40876618" }

{ "address" : { "coord" : [ -88.0778799, 42.4154769 ] }, "name" : "Hyatt, Ny Central/Room Service", "restaurant\_id" : "40879243" }

{ "address" : { "coord" : [ -111.9975205, 42.0970258 ] }, "name" : "Sports Center At Chelsea Piers (Sushi Bar)", "restaurant\_id" : "40882356" }

25.

> db.addresses.find().sort({"name":1}).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a30d8d"),

"address" : {

"building" : "129",

"coord" : [

-73.962943,

40.685007

],

"street" : "Gates Avenue",

"zipcode" : "11238"

},

"borough" : "Brooklyn",

"cuisine" : "Italian",

"grades" : [

{

"date" : ISODate("2014-03-06T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2013-08-29T00:00:00Z"),

"grade" : "A",

"score" : 2

},

{

"date" : ISODate("2013-03-08T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2012-06-27T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2011-11-17T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "(Lewis Drug Store) Locanda Vini E Olii",

"restaurant\_id" : "40804423"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30103"),

"address" : {

"building" : "1",

"coord" : [

-73.96926909999999,

40.7685235

],

"street" : "East 66 Street",

"zipcode" : "10065"

},

"borough" : "Manhattan",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-05-07T00:00:00Z"),

"grade" : "A",

"score" : 3

},

{

"date" : ISODate("2013-05-03T00:00:00Z"),

"grade" : "A",

"score" : 4

},

{

"date" : ISODate("2012-04-30T00:00:00Z"),

"grade" : "A",

"score" : 6

},

{

"date" : ISODate("2011-12-27T00:00:00Z"),

"grade" : "A",

"score" : 0

}

],

"name" : "1 East 66Th Street Kitchen",

"restaurant\_id" : "40359480"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30918"),

"address" : {

"building" : "10016",

"coord" : [

-73.8216636,

40.5838155

],

"street" : "Rockaway Beach Boulevard",

"zipcode" : "11694"

},

"borough" : "Queens",

"cuisine" : "Delicatessen",

"grades" : [

{

"date" : ISODate("2014-01-28T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2013-08-20T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-03-19T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-03-06T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2011-03-01T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "101 Deli",

"restaurant\_id" : "40591271"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30809"),

"address" : {

"building" : "10018",

"coord" : [

-74.0343092,

40.6125569

],

"street" : "4 Avenue",

"zipcode" : "11209"

},

"borough" : "Brooklyn",

"cuisine" : "Italian",

"grades" : [

{

"date" : ISODate("2014-12-01T00:00:00Z"),

"grade" : "A",

"score" : 5

},

{

"date" : ISODate("2013-11-29T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-06-03T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-06-05T00:00:00Z"),

"grade" : "B",

"score" : 15

},

{

"date" : ISODate("2012-01-10T00:00:00Z"),

"grade" : "A",

"score" : 10

}

],

"name" : "101 Restaurant And Bar",

"restaurant\_id" : "40560108"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a305d8"),

"address" : {

"building" : "1020",

"coord" : [

-73.96396419999999,

40.8032642

],

"street" : "Amsterdam Avenue",

"zipcode" : "10025"

},

"borough" : "Manhattan",

"cuisine" : "American ",

"grades" : [

{

"date" : ISODate("2014-06-26T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2013-06-19T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2012-12-27T00:00:00Z"),

"grade" : "C",

"score" : 38

}

],

"name" : "1020 Bar",

"restaurant\_id" : "40401104"

}

….

26.

> db.addresses.find().sort({"name":-1}).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a301b9"),

"address" : {

"building" : "6946",

"coord" : [

-73.8811834,

40.7017759

],

"street" : "Myrtle Avenue",

"zipcode" : "11385"

},

"borough" : "Queens",

"cuisine" : "German",

"grades" : [

{

"date" : ISODate("2014-09-24T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2014-04-17T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2013-03-12T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-10-02T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2012-05-09T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2011-12-28T00:00:00Z"),

"grade" : "B",

"score" : 24

}

],

"name" : "Zum Stammtisch",

"restaurant\_id" : "40367377"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30cfb"),

"address" : {

"building" : "107109",

"coord" : [

-73.9744668,

40.731155

],

"street" : "Avenue C",

"zipcode" : "10009"

},

"borough" : "Manhattan",

"cuisine" : "German",

"grades" : [

{

"date" : ISODate("2014-03-04T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2013-08-21T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-02-27T00:00:00Z"),

"grade" : "A",

"score" : 11

},

{

"date" : ISODate("2012-06-05T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2011-12-20T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2011-07-15T00:00:00Z"),

"grade" : "A",

"score" : 6

}

],

"name" : "Zum Schneider",

"restaurant\_id" : "40763382"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30f2f"),

"address" : {

"building" : "2905",

"coord" : [

-73.91337299999999,

40.775064

],

"street" : "23 Avenue",

"zipcode" : "11105"

},

"borough" : "Queens",

"cuisine" : "Greek",

"grades" : [

{

"date" : ISODate("2014-09-29T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2014-04-18T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2013-03-19T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2012-10-03T00:00:00Z"),

"grade" : "B",

"score" : 20

},

{

"date" : ISODate("2012-05-07T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "Zorba'S",

"restaurant\_id" : "40877247"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30d76"),

"address" : {

"building" : "305",

"coord" : [

-73.94830499999999,

40.781662

],

"street" : "East 92 Street",

"zipcode" : "10128"

},

"borough" : "Manhattan",

"cuisine" : "Brazilian",

"grades" : [

{

"date" : ISODate("2015-01-09T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2014-07-16T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2013-04-26T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2012-04-21T00:00:00Z"),

"grade" : "A",

"score" : 12

}

],

"name" : "Zebu Grill",

"restaurant\_id" : "40800325"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30530"),

"address" : {

"building" : "29",

"coord" : [

-73.86119219999999,

40.8338023

],

"street" : "Hugh Grant Circle",

"zipcode" : "10462"

},

"borough" : "Bronx",

"cuisine" : "Bakery",

"grades" : [

{

"date" : ISODate("2014-08-27T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-09-10T00:00:00Z"),

"grade" : "A",

"score" : 0

},

{

"date" : ISODate("2013-05-07T00:00:00Z"),

"grade" : "C",

"score" : 2

},

{

"date" : ISODate("2013-03-23T00:00:00Z"),

"grade" : "P",

"score" : 13

},

{

"date" : ISODate("2012-10-24T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2011-11-01T00:00:00Z"),

"grade" : "A",

"score" : 13

}

],

"name" : "Zaro'S Bread Basket",

"restaurant\_id" : "40397863"

}

….

27.

> db.addresses.find().sort(

... {

... "cuisine":1,

... "borough":-1,

... }).pretty()

{

"\_id" : ObjectId("634fe9829c000e62f0a307e6"),

"address" : {

"building" : "1345",

"coord" : [

-73.959249,

40.768076

],

"street" : "2 Avenue",

"zipcode" : "10021"

},

"borough" : "Manhattan",

"cuisine" : "Afghan",

"grades" : [

{

"date" : ISODate("2014-10-07T00:00:00Z"),

"grade" : "A",

"score" : 9

},

{

"date" : ISODate("2013-10-23T00:00:00Z"),

"grade" : "A",

"score" : 8

},

{

"date" : ISODate("2012-10-26T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-04-26T00:00:00Z"),

"grade" : "A",

"score" : 7

},

{

"date" : ISODate("2012-01-12T00:00:00Z"),

"grade" : "P",

"score" : 10

}

],

"name" : "Afghan Kebab House",

"restaurant\_id" : "40552806"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30911"),

"address" : {

"building" : "34",

"coord" : [

-73.9883612,

40.7286391

],

"street" : "St Marks Place",

"zipcode" : "10003"

},

"borough" : "Manhattan",

"cuisine" : "Afghan",

"grades" : [

{

"date" : ISODate("2014-02-20T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-08-06T00:00:00Z"),

"grade" : "B",

"score" : 17

},

{

"date" : ISODate("2013-01-31T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-05-24T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2011-12-13T00:00:00Z"),

"grade" : "A",

"score" : 10

},

{

"date" : ISODate("2011-08-25T00:00:00Z"),

"grade" : "A",

"score" : 10

}

],

"name" : "Khyber Pass",

"restaurant\_id" : "40589545"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a309cc"),

"address" : {

"building" : "764",

"coord" : [

-73.9880435,

40.7641423

],

"street" : "9 Avenue",

"zipcode" : "10019"

},

"borough" : "Manhattan",

"cuisine" : "Afghan",

"grades" : [

{

"date" : ISODate("2014-12-30T00:00:00Z"),

"grade" : "A",

"score" : 12

},

{

"date" : ISODate("2013-10-10T00:00:00Z"),

"grade" : "B",

"score" : 19

},

{

"date" : ISODate("2013-02-25T00:00:00Z"),

"grade" : "A",

"score" : 13

},

{

"date" : ISODate("2012-08-09T00:00:00Z"),

"grade" : "C",

"score" : 2

},

{

"date" : ISODate("2012-02-16T00:00:00Z"),

"grade" : "A",

"score" : 9

}

],

"name" : "Afghan Kebab House #1",

"restaurant\_id" : "40616799"

}

{

"\_id" : ObjectId("634fe9829c000e62f0a30eec"),

"address" : {

"building" : "787",

"coord" : [

-73.9880886,

40.7651331

],

"street" : "9 Avenue",

"zipcode" : "10019"

},

"borough" : "Manhattan",

"cuisine" : "Afghan",

"grades" : [

{

"date" : ISODate("2014-07-22T00:00:00Z"),

"grade" : "A",

"score" : 3

},

{

"date" : ISODate("2013-07-08T00:00:00Z"),

"grade" : "A",

"score" : 2

},

{

"date" : ISODate("2013-02-05T00:00:00Z"),

"grade" : "A",

"score" : 2

},

{

"date" : ISODate("2011-11-28T00:00:00Z"),

"grade" : "A",

"score" : 13

}

],

"name" : "Ariana Kebab House",

"restaurant\_id" : "40868400"

}

…..

28.

> db.addresses.find({

... "address.street":{$exists: true}},{"name":1,"address.street":1,"\_id":0}).pretty()

> db.addresses.find({

... "address.street":{$exists: true}})

{

"address" : {

"street" : "Victory Boulevard"

},

"name" : "Kosher Island"

}

{ "address" : { "street" : "11 Avenue" }, "name" : "Regina Caterers" }

{

"address" : {

"street" : "Morris Park Ave"

},

"name" : "Morris Park Bake Shop"

}

{ "address" : { "street" : "63 Road" }, "name" : "Tov Kosher Kitchen" }

{

"address" : {

"street" : "Nostrand Avenue"

},

"name" : "Taste The Tropics Ice Cream"

}

{

"address" : {

"street" : "18 Avenue"

},

"name" : "C & C Catering Service"

}

{ "address" : { "street" : "Southern Boulevard" }, "name" : "Wild Asia" }

{ "address" : { "street" : "Sutter Avenue" }, "name" : "May May Kitchen" }

{

"address" : {

"street" : "East 66 Street"

},

"name" : "1 East 66Th Street Kitchen"

}

{

"address" : {

"street" : "Hillside Avenue"

},

"name" : "Carvel Ice Cream"

}

{

"address" : {

"street" : "Church Avenue"

},

"name" : "Carvel Ice Cream"

}

{ "address" : { "street" : "Kings Highway" }, "name" : "Seuda Foods" }

{

"address" : {

"street" : "Stillwell Avenue"

},

"name" : "Riviera Caterer"

}

{ "address" : { "street" : "Flatbush Avenue" }, "name" : "Wendy'S" }

{

"address" : {

"street" : "Prospect Park West"

},

"name" : "The Movable Feast"

}

{ "address" : { "street" : "20 Avenue" }, "name" : "Sal'S Deli" }

{

"address" : {

"street" : "10 Street"

},

"name" : "Steve Chu'S Deli & Grocery"

}

{ "address" : { "street" : "Broadway" }, "name" : "Bully'S Deli" }

{

"address" : {

"street" : "West 57 Street"

},

"name" : "Dj Reynolds Pub And Restaurant"

}

{ "address" : { "street" : "Avenue U" }, "name" : "Wilken'S Fine Food" }

29.

> db.addresses.find({"address.coord":{$type:"double"}},

... {"name":1, "address.coord":1, "\_id":0})

> db.addresses.find({"address.coord":{$type:1}},

... {"name":1, "address.coord":1, "\_id":0})

{ "address" : { "coord" : [ -74.1377286, 40.6119572 ] }, "name" : "Kosher Island" }

{ "address" : { "coord" : [ -74.00528899999999, 40.628886 ] }, "name" : "Regina Caterers" }

{ "address" : { "coord" : [ -73.856077, 40.848447 ] }, "name" : "Morris Park Bake Shop" }

{ "address" : { "coord" : [ -73.8601152, 40.7311739 ] }, "name" : "Tov Kosher Kitchen" }

{ "address" : { "coord" : [ -73.9482609, 40.6408271 ] }, "name" : "Taste The Tropics Ice Cream" }

{ "address" : { "coord" : [ -73.9973325, 40.61174889999999 ] }, "name" : "C & C Catering Service" }

{ "address" : { "coord" : [ -73.8786113, 40.8502883 ] }, "name" : "Wild Asia" }

{ "address" : { "coord" : [ -73.871194, 40.6730975 ] }, "name" : "May May Kitchen" }

{ "address" : { "coord" : [ -73.96926909999999, 40.7685235 ] }, "name" : "1 East 66Th Street Kitchen" }

{ "address" : { "coord" : [ -73.7032601, 40.7386417 ] }, "name" : "Carvel Ice Cream" }

{ "address" : { "coord" : [ -73.97822040000001, 40.6435254 ] }, "name" : "Carvel Ice Cream" }

{ "address" : { "coord" : [ -73.9653967, 40.6064339 ] }, "name" : "Seuda Foods" }

{ "address" : { "coord" : [ -73.98241999999999, 40.579505 ] }, "name" : "Riviera Caterer" }

{ "address" : { "coord" : [ -73.961704, 40.662942 ] }, "name" : "Wendy'S" }

{ "address" : { "coord" : [ -73.9829239, 40.6580753 ] }, "name" : "The Movable Feast" }

{ "address" : { "coord" : [ -73.839297, 40.78147 ] }, "name" : "Sal'S Deli" }

{ "address" : { "coord" : [ -73.94024739999999, 40.7623288 ] }, "name" : "Steve Chu'S Deli & Grocery" }

{ "address" : { "coord" : [ -73.9925306, 40.7309346 ] }, "name" : "Bully'S Deli" }

{ "address" : { "coord" : [ -73.98513559999999, 40.7676919 ] }, "name" : "Dj Reynolds Pub And Restaurant" }

{ "address" : { "coord" : [ -73.9068506, 40.6199034 ] }, "name" : "Wilken'S Fine Food" }

30.

> db.addresses.find({"grades.score":{$mod:[7,0]}},

... {"restaurant\_id":1,"name":1, "grades":1, "\_id":0})

{ "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-01-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-03-10T00:00:00Z"), "grade" : "B", "score" : 14 } ], "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "grades" : [ { "date" : ISODate("2014-09-16T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2013-08-28T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-04-02T00:00:00Z"), "grade" : "C", "score" : 56 }, { "date" : ISODate("2012-08-15T00:00:00Z"), "grade" : "B", "score" : 27 }, { "date" : ISODate("2012-03-28T00:00:00Z"), "grade" : "B", "score" : 27 } ], "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "grades" : [ { "date" : ISODate("2014-05-07T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-05-03T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-04-30T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2011-12-27T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "grades" : [ { "date" : ISODate("2014-11-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-12-30T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "Seuda Foods", "restaurant\_id" : "40360045" }

{ "grades" : [ { "date" : ISODate("2014-06-10T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-06-05T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-04-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-10-12T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "grades" : [ { "date" : ISODate("2014-08-16T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-08-27T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-09-29T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "grades" : [ { "date" : ISODate("2014-03-19T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-03-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-03-27T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-04-05T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Steve Chu'S Deli & Grocery", "restaurant\_id" : "40361998" }

{ "grades" : [ { "date" : ISODate("2014-09-15T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-03-04T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-07-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-01-09T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-04-10T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-15T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Harriet'S Kitchen", "restaurant\_id" : "40362098" }

{ "grades" : [ { "date" : ISODate("2014-11-15T00:00:00Z"), "grade" : "Z", "score" : 38 }, { "date" : ISODate("2014-05-02T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-02T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-02-10T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "grades" : [ { "date" : ISODate("2014-03-18T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-03-18T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-10-10T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-09-22T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "White Castle", "restaurant\_id" : "40362344" }

{ "grades" : [ { "date" : ISODate("2014-04-21T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-11-12T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-06-04T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-11-14T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-10-11T00:00:00Z"), "grade" : "P", "score" : 0 }, { "date" : ISODate("2012-05-24T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-08T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-07-20T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Ho Mei Restaurant", "restaurant\_id" : "40362432" }

{ "grades" : [ { "date" : ISODate("2014-05-13T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-05-08T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-09-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-06-06T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Shashemene Int'L Restaura", "restaurant\_id" : "40362869" }

{ "grades" : [ { "date" : ISODate("2014-10-17T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-04-30T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-04-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-12-19T00:00:00Z"), "grade" : "A", "score" : 3 } ], "name" : "Olive'S", "restaurant\_id" : "40363151" }

{ "grades" : [ { "date" : ISODate("2014-02-21T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-09-13T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-08-28T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2011-09-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-05-03T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Lexler Deli", "restaurant\_id" : "40363426" }

{ "grades" : [ { "date" : ISODate("2014-06-02T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-12-27T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-03-18T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2012-02-01T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-07-06T00:00:00Z"), "grade" : "B", "score" : 25 } ], "name" : "Lorenzo & Maria'S", "restaurant\_id" : "40363630" }

{ "grades" : [ { "date" : ISODate("2014-02-25T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-08-14T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-08-07T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-03-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-04T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2011-06-29T00:00:00Z"), "grade" : "A", "score" : 4 } ], "name" : "Snack Time Grill", "restaurant\_id" : "40363590" }

{ "grades" : [ { "date" : ISODate("2014-08-05T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2014-03-06T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-07-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-01-30T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-01-05T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-09-26T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "Domino'S Pizza", "restaurant\_id" : "40363644" }

{ "grades" : [ { "date" : ISODate("2014-02-05T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2013-01-29T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2011-12-08T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Sonny'S Heros", "restaurant\_id" : "40363744" }

{ "grades" : [ { "date" : ISODate("2014-02-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-06-27T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-12-03T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-09T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Philadelhia Grille Express", "restaurant\_id" : "40364305" }

{ "grades" : [ { "date" : ISODate("2014-11-18T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-11-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-03-20T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Plaza Bagels & Deli", "restaurant\_id" : "40364286" }

31.

> db.addresses.find(

... {"name":{$regex:".\*mon.\*"}},

... {"name":1, "borough":1, "address.coord":1, "\_id":0,cuisine:1})

{ "address" : { "coord" : [ -73.98306099999999, 40.7441419 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Desmond'S Tavern" }

{ "address" : { "coord" : [ -73.8221418, 40.7272376 ] }, "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Shimons Kosher Pizza" }

{ "address" : { "coord" : [ -74.10465599999999, 40.58834 ] }, "borough" : "Staten Island", "cuisine" : "American ", "name" : "Richmond County Country Club" }

{ "address" : { "coord" : [ -73.9812843, 40.5947365 ] }, "borough" : "Brooklyn", "cuisine" : "Pizza/Italian", "name" : "Lb Spumoni Gardens" }

{ "address" : { "coord" : [ -73.951199, 40.7166026 ] }, "borough" : "Brooklyn", "cuisine" : "Italian", "name" : "Bamonte'S Restaurant" }

{ "address" : { "coord" : [ -73.924072, 40.76108900000001 ] }, "borough" : "Queens", "cuisine" : "Greek", "name" : "Omonia Cafe" }

{ "address" : { "coord" : [ -73.9901605, 40.7526176 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico'S Kitchen" }

{ "address" : { "coord" : [ -73.9707505, 40.7635651 ] }, "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Delmonico Gourmet" }

{ "address" : { "coord" : [ -73.9760637, 40.7508686 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico Gourmet" }

{ "address" : { "coord" : [ -73.97198209999999, 40.764464 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Harmonie Club" }

{ "address" : { "coord" : [ -73.79571990000001, 40.7095637 ] }, "borough" : "Queens", "cuisine" : "Bakery", "name" : "Ramona'S Bakery" }

{ "address" : { "coord" : [ -73.98463480000001, 40.7630755 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Neil Simon Theatre" }

{ "address" : { "coord" : [ -74.028486, 40.630438 ] }, "borough" : "Brooklyn", "cuisine" : "Mediterranean", "name" : "Omonia Cafe" }

{ "address" : { "coord" : [ -73.9849976, 40.7276766 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Simone Bar Cafe" }

{ "address" : { "coord" : [ -74.01032339999999, 40.7050156 ] }, "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Delmonicos" }

{ "address" : { "coord" : [ -73.8706606, 40.7342757 ] }, "borough" : "Queens", "cuisine" : "American ", "name" : "Cinnabon World Famous Cinnamon Rolls" }

{ "address" : { "coord" : [ -73.9640299, 40.807001 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Ferris Booth Commons - Alfred Lerner Hall" }

{ "address" : { "coord" : [ -74.10465599999999, 40.58834 ] }, "borough" : "Staten Island", "cuisine" : "American ", "name" : "Richmond County Country Club - Pool Snack Bar" }

{ "address" : { "coord" : [ -74.1110561, 40.5884772 ] }, "borough" : "Staten Island", "cuisine" : "American ", "name" : "Richmond County Country Club(10Th Hole)" }

{ "address" : { "coord" : [ -74.112758, 40.5833299 ] }, "borough" : "Staten Island", "cuisine" : "American ", "name" : "Richmond County Country Club" }

Type "it" for more

32.

> db.addresses.find(

... {"name":{$regex:/^Mad/}},

... {"name":1, "borough":1, "address.coord":1,cuisine:1,"\_id":0})

{ "address" : { "coord" : [ -73.9860597, 40.7431194 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Madison Square" }

{ "address" : { "coord" : [ -73.98302199999999, 40.742313 ] }, "borough" : "Manhattan", "cuisine" : "Indian", "name" : "Madras Mahal" }

{ "address" : { "coord" : [ -74.000002, 40.72735 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Madame X" }

{ "address" : { "coord" : [ -73.98171959999999, 40.7499406 ] }, "borough" : "Manhattan", "cuisine" : "French", "name" : "Madison Bistro" }

{ "address" : { "coord" : [ -73.9717845, 40.6897199 ] }, "borough" : "Brooklyn", "cuisine" : "African", "name" : "Madiba" }

{ "address" : { "coord" : [ -73.9040753, 40.9069011 ] }, "borough" : "Bronx", "cuisine" : "Italian", "name" : "Madison'S" }

{ "address" : { "coord" : [ -73.9886598, 40.7565811 ] }, "borough" : "Manhattan", "cuisine" : "Hotdogs", "name" : "Madame Tussaud'S" }

{ "address" : { "coord" : [ -73.95623719999999, 40.7761697 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Mad River Bar & Grille" }