**ASSIGNMENT-1**

**Insert Documents:**

**1. Insert the following documents into a movies collection.**

**title : Fight Club**

**writer : Chuck Palahniuk**

**year : 1999**

**actors : [**

**Brad Pitt**

**Edward Norton**

**]**

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

WriteResult({ "nInserted" : 1 })

**2.title : Pulp Fiction**

**writer : Quentin Tarantino**

**year : 1994**

**actors : [**

**John Travolta**

**Uma Thurman**

**]**

db.movies.insert({title:"Pulp Fiction", writer:"Quentin Tarantino", year:"2009", actors:["John Travolta", "Uma Thurman"]})

WriteResult({ "nInserted" : 1 })

**3.title : Inglorious Basterds**

**writer : Quentin Tarantino**

**year : 2009**

**actors : [**

**Brad Pitt**

**Diane Kruger**

**Eli Roth**

**]**

db.movies.insert({title:"Inglorious Basterds", writer:"Quentin Tarantino", year:"2009", actors:["Brad Pitt", "Diane Kruger", "Eli Roth"]})

WriteResult({ "nInserted" : 1 })

**4. title : The Hobbit: An Unexpected Journey**

**writer : J.R.R. Tolkein**

**year : 2012**

**franchise : The Hobbit**

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

WriteResult({ "nInserted" : 1 })

**5.title : The Hobbit: The Desolation of Smaug**

**writer : J.R.R. Tolkein**

**year : 2013**

**franchise : The Hobbit**

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

WriteResult({ "nInserted" : 1 })

**6.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.insert({title:"The Hobbit: The Battle of the Five Armies", writer:"J.R.R Tolkien", year:"2002", 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 })

**7.Title: Pee Wee Herman's Big Adventures**

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

WriteResult({ "nInserted" : 1 })

**8.title : Avatar**

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

WriteResult({ "nInserted" : 1 })

**Query / Find Documents::**

**1. get all documents**

db.movies.find()

{ "\_id" : ObjectId("60e899991c57a8a43de94335"), "title" : "Fight Club", "writer" : "Chuck Palahniuk", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("60e899b31c57a8a43de94336"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "\_id" : ObjectId("60e899cb1c57a8a43de94337"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

{ "\_id" : ObjectId("60e899df1c57a8a43de94338"), "title" : "The Hobbit: An unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("60e899f21c57a8a43de94339"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R Tolkien", "year" : "2013", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("60e89a071c57a8a43de9433a"), "title" : "The Hobbit: The Battle of the Five Armies", "writer" : "J.R.R Tolkien", "year" : "2002", "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("60e89a151c57a8a43de9433b"), "title" : "Pee Wee Herman's Big Adventures" }

{ "\_id" : ObjectId("60e89a211c57a8a43de9433c"), "title" : "Avatar" }

**2.get all documents with writer set to "Quentin Tarantino"**

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

{ "\_id" : ObjectId("60e899b31c57a8a43de94336"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "\_id" : ObjectId("60e899cb1c57a8a43de94337"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

**3.get all documents where actors include "Brad Pitt"**

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

{ "\_id" : ObjectId("60e899991c57a8a43de94335"), "title" : "Fight Club", "writer" : "Chuck Palahniuk", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("60e899cb1c57a8a43de94337"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : "2009", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }

**4.get all documents with franchise set to "The Hobbit"**

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

{ "\_id" : ObjectId("60e899df1c57a8a43de94338"), "title" : "The Hobbit: An unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("60e899f21c57a8a43de94339"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R Tolkien", "year" : "2013", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("60e89a071c57a8a43de9433a"), "title" : "The Hobbit: The Battle of the Five Armies", "writer" : "J.R.R Tolkien", "year" : "2002", "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 get all movies released in the 90s**

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

{ "\_id" : ObjectId("60e899991c57a8a43de94335"), "title" : "Fight Club", "writer" : "Chuck Palahniuk", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

**6. get all movies released before the year 2000 or after 2010**

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

{ "\_id" : ObjectId("60e899991c57a8a43de94335"), "title" : "Fight Club", "writer" : "Chuck Palahniuk", "year" : "1999", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "\_id" : ObjectId("60e899df1c57a8a43de94338"), "title" : "The Hobbit: An unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit" }

{ "\_id" : ObjectId("60e899f21c57a8a43de94339"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R Tolkien", "year" : "2013", "franchise" : "The Hobbit" }

**Update Documents::**

1. **add a synopsis to "The Hobbit: An Unexpected Journey" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug."**

MongoDB Enterprise atlas-elveuo-shard-0:PRIMARY> db.movies.update({\_id:ObjectId("60e899df1c57a8a43de94338")}, {$set:{synopsis:"A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug."}})

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

**2.add a synopsis to "The Hobbit: The Desolation of Smaug" : "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring."**

db.movies.update({\_id:ObjectId("60e899f21c57a8a43de94339")}, {$set:{synopsis:"The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring."}})

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

**3.add an actor named "Samuel L. Jackson" to the movie "Pulp Fiction"**

db.movies.update({\_id:ObjectId("60e899b31c57a8a43de94336")}, {$push:{actors:"Samuel L. Jackson"}})

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

**Text Search::**

1. **find all movies that have a synopsis that contains the word "Bilbo"**

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

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

{ "\_id" : ObjectId("60e899df1c57a8a43de94338"), "title" : "The Hobbit: An unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." }

{ "\_id" : ObjectId("60e899f21c57a8a43de94339"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R Tolkien", "year" : "2013", "franchise" : "The Hobbit", "synopsis" : "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring." }

{ "\_id" : ObjectId("60e89a071c57a8a43de9433a"), "title" : "The Hobbit: The Battle of the Five Armies", "writer" : "J.R.R Tolkien", "year" : "2002", "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.find all movies that have a synopsis that contains the word "Gandalf"**

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

{ "\_id" : ObjectId("60e899f21c57a8a43de94339"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R Tolkien", "year" : "2013", "franchise" : "The Hobbit", "synopsis" : "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring." }

**3.find all movies that have a synopsis that contains the word "Bilbo" and not the word "Gandalf"**

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

{ "\_id" : ObjectId("60e899df1c57a8a43de94338"), "title" : "The Hobbit: An unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." }

{ "\_id" : ObjectId("60e89a071c57a8a43de9433a"), "title" : "The Hobbit: The Battle of the Five Armies", "writer" : "J.R.R Tolkien", "year" : "2002", "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.find all movies that have a synopsis that contains the word "dwarves" or "hobbit"**

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

{ "\_id" : ObjectId("60e899df1c57a8a43de94338"), "title" : "The Hobbit: An unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." }

{ "\_id" : ObjectId("60e899f21c57a8a43de94339"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R Tolkien", "year" : "2013", "franchise" : "The Hobbit", "synopsis" : "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring." }

**5. find all movies that have a synopsis that contains the word "gold" and "dragon"**

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

{ "\_id" : ObjectId("60e899df1c57a8a43de94338"), "title" : "The Hobbit: An unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : "2012", "franchise" : "The Hobbit", "synopsis" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." }

**Delete Documents::**

**1.delete the movie "Pee Wee Herman's Big Adventure"**

db.movies.remove({\_id:ObjectId("60e89a151c57a8a43de9433b")})

WriteResult({ "nRemoved" : 1 })

**2. delete the movie "Avatar"**

db.movies.remove({\_id:ObjectId("60e89a211c57a8a43de9433c")})

WriteResult({ "nRemoved" : 1 })

**Relationships**

**A. Insert the following documents into a users collection**

**1.**

**username : GoodGuyGreg**

**first\_name : "Good Guy"**

**last\_name : "Greg"**

db.users.insert({\_id:1,username:"GoodGuyGreg", first\_name:"Good Guy", last\_name:"Greg"})

WriteResult({ "nInserted" : 1 })

**2.**

**username : ScumbagSteve**

**full\_name :**

**first : "Scumbag"**

**last : "Steve"**

db.users.insert({\_id:2, username:"ScumbagSteve", fullname:{first: "Scumbag", last:"Steve"}})

WriteResult({ "nInserted" : 1 })

**B. Insert the following documents into a posts collection::**

**1.**

**username : GoodGuyGreg**

**title : Passes out at party**

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

db.posts.insert({username:"GoodGuyGreg", title:"Passes out at Party", body:"Raises your credit score"})

WriteResult({ "nInserted" : 1 })

**2.**

**username : GoodGuyGreg**

**title : Steals your identity**

**body : Raises your credit score**

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

WriteResult({ "nInserted" : 1 })

**3.**

**username : GoodGuyGreg**

**title : Reports a bug in your code**

**body : Sends you a Pull Request**

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

WriteResult({ "nInserted" : 1 })

**4.username : ScumbagSteve**

**title : Borrows something**

**body : Sells it**

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

WriteResult({ "nInserted" : 1 })

**5.username : ScumbagSteve**

**title : Borrows everything**

**body : The end**

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

WriteResult({ "nInserted" : 1 })

**6.username : ScumbagSteve**

**title : Forks your repo on github**

**body : Sets to private**

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

WriteResult({ "nInserted" : 1 })

**C. Insert the following documents into a comments collection**

**1.**

**username : GoodGuyGreg**

**comment : Hope you got a good deal!**

**post : [post\_obj\_id]**

db.comments.insert({ username:"GoodGuyGreg", comment:"Hope you got a good deal!", post:ObjectId("60e8a2a72bee8f1d8a445b97")})

WriteResult({ "nInserted" : 1 })

**2.**

**username : GoodGuyGreg**

**comment : What's mine is yours!**

**post : [post\_obj\_id]**

db.comments.insert({username:"GoodGuyGreg", comment:"What's mine is yours!", post:ObjectId("60e8a2be2bee8f1d8a445b98")})

WriteResult({ "nInserted" : 1 })

**3.**

**username : GoodGuyGreg**

**comment : Don't violate the licensing agreement!**

**post : [post\_obj\_id]**

db.comments.insert({username:"GoodGuyGreg", comment:"Don't violate the licensing agreement!", post:ObjectId("60e8a4202bee8f1d8a445b99")})

WriteResult({ "nInserted" : 1 })

**4.**

**username : ScumbagSteve**

**comment : It still isn't clean**

**post : [post\_obj\_id]**

MongoDB Enterprise atlas-elveuo-shard-0:PRIMARY> db.comments.insert({username:"ScumbagSteve", comment:"It still isn't clean", post:ObjectId("60e8a4702bee8f1d8a445b9a")})

WriteResult({ "nInserted" : 1 })

**5.username : ScumbagSteve**

**comment : Denied your PR cause I found a hack**

**post : [post\_obj\_id]**

db.comments.insert({username:"ScumbagSteve", comment:"Denied your PR cause I found a hack", post:ObjectId("60e8a4872bee8f1d8a445b9b")})

WriteResult({ "nInserted" : 1 })

**Querying related collections::**

1. **find all users**

db.users.find().pretty()

{

"\_id" : 1,

"username" : "GoodGuyGreg",

"first\_name" : "Good Guy",

"last\_name" : "Greg"

}

{

"\_id" : 2,

"username" : "ScumbagSteve",

"fullname" : {

"first" : "Scumbag",

"last" : "Steve"

}

}

**2.find all posts**

db.posts.find().pretty()

{

"\_id" : ObjectId("60e8a2a72bee8f1d8a445b97"),

"username" : "GoodGuyGreg",

"title" : "Passes out at Party",

"body" : "Raises your credit score"

}

{

"\_id" : ObjectId("60e8a2be2bee8f1d8a445b98"),

"username" : "GoodGuyGreg",

"title" : "Steals your identity",

"body" : "Raises your credit score"

}

{

"\_id" : ObjectId("60e8a4202bee8f1d8a445b99"),

"username" : "GoodGuyGreg",

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

"body" : "Sends you a pull request"

}

{

"\_id" : ObjectId("60e8a4702bee8f1d8a445b9a"),

"username" : "ScumbagSteve",

"title" : "Borrows something",

"body" : "Sells it"

}

{

"\_id" : ObjectId("60e8a4872bee8f1d8a445b9b"),

"username" : "ScumbagSteve",

"title" : "Borrows everything",

"body" : "The end"

}

{

"\_id" : ObjectId("60e8a4982bee8f1d8a445b9c"),

"username" : "ScumbagSteve",

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

"body" : "Sets to private"

}

3.**find all posts that was authored by "GoodGuyGreg"**

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

{ "\_id" : ObjectId("60e8a2a72bee8f1d8a445b97"), "username" : "GoodGuyGreg", "title" : "Passes out at Party", "body" : "Raises your credit score" }

{ "\_id" : ObjectId("60e8a2be2bee8f1d8a445b98"), "username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your credit score" }

{ "\_id" : ObjectId("60e8a4202bee8f1d8a445b99"), "username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" : "Sends you a pull request" }

**4. find all posts that was authored by "ScumbagSteve"**

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

{ "\_id" : ObjectId("60e8a4702bee8f1d8a445b9a"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }

{ "\_id" : ObjectId("60e8a4872bee8f1d8a445b9b"), "username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end" }

{ "\_id" : ObjectId("60e8a4982bee8f1d8a445b9c"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }

5.**find all comments**

db.comments.find().pretty()

{

"\_id" : ObjectId("60e8a7d42bee8f1d8a445b9d"),

"username" : "GoodGuyGreg",

"comment" : "Hope you got a good deal!",

"post" : ObjectId("60e8a2a72bee8f1d8a445b97")

}

{

"\_id" : ObjectId("60e8a8182bee8f1d8a445b9e"),

"username" : "GoodGuyGreg",

"comment" : "What's mine is yours!",

"post" : ObjectId("60e8a2be2bee8f1d8a445b98")

}

{

"\_id" : ObjectId("60e8a8572bee8f1d8a445b9f"),

"username" : "GoodGuyGreg",

"comment" : "Don't violate the licensing agreement!",

"post" : ObjectId("60e8a4202bee8f1d8a445b99")

}

{

"\_id" : ObjectId("60e8a8922bee8f1d8a445ba0"),

"username" : "ScumbagSteve",

"comment" : "It still isn't clean",

"post" : ObjectId("60e8a4702bee8f1d8a445b9a")

}

{

"\_id" : ObjectId("60e8a8e02bee8f1d8a445ba1"),

"username" : "ScumbagSteve",

"comment" : "Denied your PR cause I found a hack",

"post" : ObjectId("60e8a4872bee8f1d8a445b9b")

}

**6. find all comments that was authored by "GoodGuyGreg"**

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

{ "\_id" : ObjectId("60e8a7d42bee8f1d8a445b9d"), "username" : "GoodGuyGreg", "comment" : "Hope you got a good deal!", "post" : ObjectId("60e8a2a72bee8f1d8a445b97") }

{ "\_id" : ObjectId("60e8a8182bee8f1d8a445b9e"), "username" : "GoodGuyGreg", "comment" : "What's mine is yours!", "post" : ObjectId("60e8a2be2bee8f1d8a445b98") }

{ "\_id" : ObjectId("60e8a8572bee8f1d8a445b9f"), "username" : "GoodGuyGreg", "comment" : "Don't violate the licensing agreement!", "post" : ObjectId("60e8a4202bee8f1d8a445b99") }

**7. find all comments that was authored by "ScumbagSteve"**

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

{ "\_id" : ObjectId("60e8a8922bee8f1d8a445ba0"), "username" : "ScumbagSteve", "comment" : "It still isn't clean", "post" : ObjectId("60e8a4702bee8f1d8a445b9a") }

{ "\_id" : ObjectId("60e8a8e02bee8f1d8a445ba1"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : ObjectId("60e8a4872bee8f1d8a445b9b") }

**ASSIGNMENT-2**

**ATLANTA population**

**1.Use db.zipcodes.find() to filter results to only the results where city is ATLANTA and state is GA-** db.zipcodes.find({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" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }

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

{ "\_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "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" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }

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

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

MongoDB Enterprise atlas-elveuo-shard-0:PRIMARY> db.zipcodes.find({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" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }

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

{ "\_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "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" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }

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

{ "\_id" : "30326", "city" : "ATLANTA", "loc" : [ -84.358232, 33.848168 ], "pop" : 125, "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.use db.zipcodes.aggregate with $match to do the same as above**

db.zipcodes.aggregate([{$match:{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" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }

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

{ "\_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "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" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }

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

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

it

{ "\_id" : "30330", "city" : "ATLANTA", "loc" : [ -84.434735, 33.70645 ], "pop" : 643, "state" : "GA" }

{ "\_id" : "30331", "city" : "ATLANTA", "loc" : [ -84.520468, 33.72241 ], "pop" : 38185, "state" : "GA" }

{ "\_id" : "30334", "city" : "ATLANTA", "loc" : [ -84.388188, 33.74715 ], "pop" : 0, "state" : "GA" }

{ "\_id" : "30336", "city" : "ATLANTA", "loc" : [ -84.510028, 33.78534 ], "pop" : 1228, "state" : "GA" }

{ "\_id" : "30339", "city" : "ATLANTA", "loc" : [ -84.462879, 33.87125 ], "pop" : 11158, "state" : "GA" }

{ "\_id" : "30342", "city" : "ATLANTA", "loc" : [ -84.376091, 33.884245 ], "pop" : 19057, "state" : "GA" }

{ "\_id" : "30345", "city" : "ATLANTA", "loc" : [ -84.286961, 33.851347 ], "pop" : 19825, "state" : "GA" }

{ "\_id" : "30346", "city" : "ATLANTA", "loc" : [ -84.333354, 33.926717 ], "pop" : 18, "state" : "GA" }

{ "\_id" : "30349", "city" : "ATLANTA", "loc" : [ -84.481258, 33.605331 ], "pop" : 48116, "state" : "GA" }

{ "\_id" : "30350", "city" : "ATLANTA", "loc" : [ -84.341146, 33.979471 ], "pop" : 24573, "state" : "GA" }

{ "\_id" : "30360", "city" : "ATLANTA", "loc" : [ -84.271645, 33.937772 ], "pop" : 16023, "state" : "GA" }

**3.use $group to count the number of zip codes in Atlanta**

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

{ "\_id" : "\_id", "count" : 41 }

**4.use $group to find the total population in Atlanta**

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

{ "\_id" : "ATLANTA", "population" : 630046 }

**Population by state**

**1.use aggregate to calculate the total population for each state**

db.zipcodes.aggregate([{$group:{ \_id:"$state", population: {$sum:"$pop" }}}])

{ "\_id" : "MO", "population" : 5110648 }

{ "\_id" : "NH", "population" : 1109252 }

{ "\_id" : "FL", "population" : 12686644 }

{ "\_id" : "SD", "population" : 695397 }

{ "\_id" : "LA", "population" : 4217595 }

{ "\_id" : "AR", "population" : 2350725 }

{ "\_id" : "OK", "population" : 3145585 }

{ "\_id" : "NC", "population" : 6628637 }

{ "\_id" : "PA", "population" : 11881643 }

{ "\_id" : "WY", "population" : 453528 }

{ "\_id" : "AZ", "population" : 3665228 }

{ "\_id" : "VT", "population" : 562758 }

{ "\_id" : "NM", "population" : 1515069 }

{ "\_id" : "NV", "population" : 1201833 }

{ "\_id" : "MN", "population" : 4372982 }

{ "\_id" : "OR", "population" : 2842321 }

{ "\_id" : "AL", "population" : 4040587 }

{ "\_id" : "HI", "population" : 1108229 }

{ "\_id" : "TN", "population" : 4876457 }

{ "\_id" : "GA", "population" : 6478216 }

Type "it" for more

it

{ "\_id" : "IN", "population" : 5544136 }

{ "\_id" : "KS", "population" : 2475285 }

{ "\_id" : "MS", "population" : 2573216 }

{ "\_id" : "DE", "population" : 666168 }

{ "\_id" : "WA", "population" : 4866692 }

{ "\_id" : "MT", "population" : 798948 }

{ "\_id" : "IA", "population" : 2776420 }

{ "\_id" : "ND", "population" : 638272 }

{ "\_id" : "AK", "population" : 544698 }

{ "\_id" : "KY", "population" : 3675484 }

{ "\_id" : "RI", "population" : 1003218 }

{ "\_id" : "SC", "population" : 3486703 }

{ "\_id" : "DC", "population" : 606900 }

{ "\_id" : "OH", "population" : 10846517 }

{ "\_id" : "MI", "population" : 9295297 }

{ "\_id" : "UT", "population" : 1722850 }

{ "\_id" : "WI", "population" : 4891769 }

{ "\_id" : "IL", "population" : 11427576 }

{ "\_id" : "CO", "population" : 3293755 }

{ "\_id" : "MA", "population" : 6016425 }

Type "it" for more

it

{ "\_id" : "ME", "population" : 1226648 }

{ "\_id" : "CA", "population" : 29754890 }

{ "\_id" : "MD", "population" : 4781379 }

{ "\_id" : "NJ", "population" : 7730188 }

{ "\_id" : "ID", "population" : 1006749 }

{ "\_id" : "NY", "population" : 17990402 }

{ "\_id" : "CT", "population" : 3287116 }

{ "\_id" : "WV", "population" : 1793146 }

{ "\_id" : "VA", "population" : 6181479 }

{ "\_id" : "NE", "population" : 1578139 }

{ "\_id" : "TX", "population" : 16984601 }

**2.sort the results by population,highest first**

db.zipcodes.aggregate([{$group:{ \_id:"$state", population: {$sum:"$pop" }}},{$sort: {population: -1}}])

{ "\_id" : "CA", "population" : 29754890 }

{ "\_id" : "NY", "population" : 17990402 }

{ "\_id" : "TX", "population" : 16984601 }

{ "\_id" : "FL", "population" : 12686644 }

{ "\_id" : "PA", "population" : 11881643 }

{ "\_id" : "IL", "population" : 11427576 }

{ "\_id" : "OH", "population" : 10846517 }

{ "\_id" : "MI", "population" : 9295297 }

{ "\_id" : "NJ", "population" : 7730188 }

{ "\_id" : "NC", "population" : 6628637 }

{ "\_id" : "GA", "population" : 6478216 }

{ "\_id" : "VA", "population" : 6181479 }

{ "\_id" : "MA", "population" : 6016425 }

{ "\_id" : "IN", "population" : 5544136 }

{ "\_id" : "MO", "population" : 5110648 }

{ "\_id" : "WI", "population" : 4891769 }

{ "\_id" : "TN", "population" : 4876457 }

{ "\_id" : "WA", "population" : 4866692 }

{ "\_id" : "MD", "population" : 4781379 }

{ "\_id" : "MN", "population" : 4372982 }

Type "it" for more

it

{ "\_id" : "LA", "population" : 4217595 }

{ "\_id" : "AL", "population" : 4040587 }

{ "\_id" : "KY", "population" : 3675484 }

{ "\_id" : "AZ", "population" : 3665228 }

{ "\_id" : "SC", "population" : 3486703 }

{ "\_id" : "CO", "population" : 3293755 }

{ "\_id" : "CT", "population" : 3287116 }

{ "\_id" : "OK", "population" : 3145585 }

{ "\_id" : "OR", "population" : 2842321 }

{ "\_id" : "IA", "population" : 2776420 }

{ "\_id" : "MS", "population" : 2573216 }

{ "\_id" : "KS", "population" : 2475285 }

{ "\_id" : "AR", "population" : 2350725 }

{ "\_id" : "WV", "population" : 1793146 }

{ "\_id" : "UT", "population" : 1722850 }

{ "\_id" : "NE", "population" : 1578139 }

{ "\_id" : "NM", "population" : 1515069 }

{ "\_id" : "ME", "population" : 1226648 }

{ "\_id" : "NV", "population" : 1201833 }

{ "\_id" : "NH", "population" : 1109252 }

Type "it" for more

it

{ "\_id" : "HI", "population" : 1108229 }

{ "\_id" : "ID", "population" : 1006749 }

{ "\_id" : "RI", "population" : 1003218 }

{ "\_id" : "MT", "population" : 798948 }

{ "\_id" : "SD", "population" : 695397 }

{ "\_id" : "DE", "population" : 666168 }

{ "\_id" : "ND", "population" : 638272 }

{ "\_id" : "DC", "population" : 606900 }

{ "\_id" : "VT", "population" : 562758 }

{ "\_id" : "AK", "population" : 544698 }

{ "\_id" : "WY", "population" : 453528 }

**3.limit the results to just the first 3 results.What are the top 3 states in population?**

db.zipcodes.aggregate([{$group:{ \_id:"$state", population: {$sum:"$pop" }}},{$sort: {population: -1}},{$limit: 3}])

{ "\_id" : "CA", "population" : 29754890 }

{ "\_id" : "NY", "population" : 17990402 }

{ "\_id" : "TX", "population" : 16984601 }

**Populations by city**

**1.use aggregate to calculate the total population for each city (you have to use city/state combination).You can use a combination for the \_id of the group:{city:’$city’,state:’$state’}**

db.zipcodes.aggregate([{$group:{\_id: { city:"$city",state:"$state"},populationIs: { $sum:"$pop"}} } ])

{ "\_id" : { "city" : "OLATHE", "state" : "CO" }, "populationIs" : 4246 }

{ "\_id" : { "city" : "POTTER", "state" : "NE" }, "populationIs" : 658 }

{ "\_id" : { "city" : "LIVONIA", "state" : "NY" }, "populationIs" : 6108 }

{ "\_id" : { "city" : "LOWELL", "state" : "MI" }, "populationIs" : 12732 }

{ "\_id" : { "city" : "GROTON", "state" : "VT" }, "populationIs" : 862 }

{ "\_id" : { "city" : "BUFFALO CENTER", "state" : "IA" }, "populationIs" : 1566 }

{ "\_id" : { "city" : "TINA", "state" : "MO" }, "populationIs" : 399 }

{ "\_id" : { "city" : "COTO DE CAZA", "state" : "CA" }, "populationIs" : 6067 }

{ "\_id" : { "city" : "TIDEWATER", "state" : "OR" }, "populationIs" : 523 }

{ "\_id" : { "city" : "NOTTINGHAM", "state" : "NH" }, "populationIs" : 598 }

{ "\_id" : { "city" : "EAST BRADY", "state" : "PA" }, "populationIs" : 2069 }

{ "\_id" : { "city" : "CHIMACUM", "state" : "WA" }, "populationIs" : 1191 }

{ "\_id" : { "city" : "SLADE", "state" : "KY" }, "populationIs" : 318 }

{ "\_id" : { "city" : "BLUEFIELD", "state" : "VA" }, "populationIs" : 10931 }

{ "\_id" : { "city" : "PEARL RIVER", "state" : "LA" }, "populationIs" : 9228 }

{ "\_id" : { "city" : "LINDENWALD", "state" : "OH" }, "populationIs" : 13310 }

{ "\_id" : { "city" : "OLMOS PARK", "state" : "TX" }, "populationIs" : 29762 }

{ "\_id" : { "city" : "PAPAIKOU", "state" : "HI" }, "populationIs" : 1700 }

{ "\_id" : { "city" : "AVA", "state" : "IL" }, "populationIs" : 1806 }

{ "\_id" : { "city" : "PACIFIC HOUSE", "state" : "CA" }, "populationIs" : 7722 }

Type "it" for more

it

{ "\_id" : { "city" : "ENGLEWOOD CLIFFS", "state" : "NJ" }, "populationIs" : 5644 }

{ "\_id" : { "city" : "OAKLAND", "state" : "OR" }, "populationIs" : 3315 }

{ "\_id" : { "city" : "K I SAWYER A F B", "state" : "MI" }, "populationIs" : 5613 }

{ "\_id" : { "city" : "WHITEWATER", "state" : "MT" }, "populationIs" : 110 }

{ "\_id" : { "city" : "PERRY", "state" : "MI" }, "populationIs" : 5746 }

{ "\_id" : { "city" : "OBERON", "state" : "ND" }, "populationIs" : 556 }

{ "\_id" : { "city" : "PEVELY", "state" : "MO" }, "populationIs" : 5221 }

{ "\_id" : { "city" : "RUIDOSO DOWNS", "state" : "NM" }, "populationIs" : 367 }

{ "\_id" : { "city" : "MANNSVILLE", "state" : "NY" }, "populationIs" : 1750 }

{ "\_id" : { "city" : "ROSSITER", "state" : "PA" }, "populationIs" : 1858 }

{ "\_id" : { "city" : "FOREST PARK", "state" : "GA" }, "populationIs" : 26825 }

{ "\_id" : { "city" : "AUBURNTOWN", "state" : "TN" }, "populationIs" : 933 }

{ "\_id" : { "city" : "WARREN", "state" : "OH" }, "populationIs" : 86409 }

{ "\_id" : { "city" : "AURORA", "state" : "IN" }, "populationIs" : 9435 }

{ "\_id" : { "city" : "BATH SPRINGS", "state" : "TN" }, "populationIs" : 920 }

{ "\_id" : { "city" : "LANSING", "state" : "MI" }, "populationIs" : 168874 }

{ "\_id" : { "city" : "WHITE CITY", "state" : "KS" }, "populationIs" : 983 }

{ "\_id" : { "city" : "COVENTRY", "state" : "VT" }, "populationIs" : 722 }

{ "\_id" : { "city" : "FAIRHOPE", "state" : "AL" }, "populationIs" : 16331 }

{ "\_id" : { "city" : "GRIGGSVILLE", "state" : "IL" }, "populationIs" : 1611 }

**2.sort the results by population, highest first**

db.zipcodes.aggregate([{$group:{ \_id:"$city", population: {$sum:"$pop" }}},{$sort: {population: -1}}])

{ "\_id" : "CHICAGO", "population" : 2452177 }

{ "\_id" : "BROOKLYN", "population" : 2341387 }

{ "\_id" : "HOUSTON", "population" : 2123053 }

{ "\_id" : "LOS ANGELES", "population" : 2102295 }

{ "\_id" : "PHILADELPHIA", "population" : 1639862 }

{ "\_id" : "NEW YORK", "population" : 1476790 }

{ "\_id" : "BRONX", "population" : 1209548 }

{ "\_id" : "SAN DIEGO", "population" : 1054316 }

{ "\_id" : "DALLAS", "population" : 999042 }

{ "\_id" : "DETROIT", "population" : 967468 }

{ "\_id" : "PHOENIX", "population" : 902249 }

{ "\_id" : "MIAMI", "population" : 848436 }

{ "\_id" : "COLUMBUS", "population" : 825448 }

{ "\_id" : "SAN JOSE", "population" : 817497 }

{ "\_id" : "SAN ANTONIO", "population" : 813188 }

{ "\_id" : "WASHINGTON", "population" : 780954 }

{ "\_id" : "BALTIMORE", "population" : 738846 }

{ "\_id" : "JACKSONVILLE", "population" : 735505 }

{ "\_id" : "SAN FRANCISCO", "population" : 723993 }

{ "\_id" : "CLEVELAND", "population" : 687451 }

Type "it" for more

MongoDB Enterprise atlas-elveuo-shard-0:PRIMARY> it

{ "\_id" : "PORTLAND", "population" : 646119 }

{ "\_id" : "MEMPHIS", "population" : 643495 }

{ "\_id" : "SPRINGFIELD", "population" : 639513 }

{ "\_id" : "ATLANTA", "population" : 630046 }

{ "\_id" : "SACRAMENTO", "population" : 629960 }

{ "\_id" : "LAS VEGAS", "population" : 617124 }

{ "\_id" : "MILWAUKEE", "population" : 597324 }

{ "\_id" : "TUCSON", "population" : 586451 }

{ "\_id" : "ARLINGTON", "population" : 575938 }

{ "\_id" : "AUSTIN", "population" : 570985 }

{ "\_id" : "COLUMBIA", "population" : 546055 }

{ "\_id" : "ROCHESTER", "population" : 523643 }

{ "\_id" : "SEATTLE", "population" : 520096 }

{ "\_id" : "EL PASO", "population" : 515269 }

{ "\_id" : "NEWARK", "population" : 504651 }

{ "\_id" : "TAMPA", "population" : 499208 }

{ "\_id" : "RICHMOND", "population" : 499043 }

{ "\_id" : "NEW ORLEANS", "population" : 496937 }

{ "\_id" : "CHARLOTTE", "population" : 494014 }

{ "\_id" : "JACKSON", "population" : 479589 }

Type "it" for more

**3.limit the results to just the first 3 results.What are the top 3 cities in population?**

db.zipcodes.aggregate([{$group:{ \_id:"$city", population: {$sum:"$pop" }}},{$sort: {population: -1}},{$limit: 3}])

{ "\_id" : "CHICAGO", "population" : 2452177 }

{ "\_id" : "BROOKLYN", "population" : 2341387 }

{ "\_id" : "HOUSTON", "population" : 2123053 }

**4. What are the top 3 cities in population in Texas**

db.zipcodes.aggregate([{$match: {state:"TX"}},{$sort:{pop: -1}},{$limit:3}])

{ "\_id" : "78521", "city" : "BROWNSVILLE", "loc" : [ -97.461236, 25.922103 ], "pop" : 79463, "state" : "TX" }

{ "\_id" : "78572", "city" : "ALTON", "loc" : [ -98.342647, 26.24153 ], "pop" : 67604, "state" : "TX" }

{ "\_id" : "78207", "city" : "SAN ANTONIO", "loc" : [ -98.525967, 29.422855 ], "pop" : 58355, "state" : "TX" }

**BONUS**

**1.Write a query to get the average city population for each state.**

db.zipcodes.aggregate([{$group:{\_id: { state:"$state"},avgpopulationIs: { $avg:"$pop"}} } ])

{ "\_id" : { "state" : "CT" }, "avgpopulationIs" : 12498.539923954373 }

{ "\_id" : { "state" : "WV" }, "avgpopulationIs" : 2733.454268292683 }

{ "\_id" : { "state" : "NE" }, "avgpopulationIs" : 2749.3710801393727 }

{ "\_id" : { "state" : "NY" }, "avgpopulationIs" : 11279.248902821317 }

{ "\_id" : { "state" : "TX" }, "avgpopulationIs" : 10164.333333333334 }

{ "\_id" : { "state" : "MO" }, "avgpopulationIs" : 5141.496981891348 }

{ "\_id" : { "state" : "VA" }, "avgpopulationIs" : 7575.341911764706 }

{ "\_id" : { "state" : "WY" }, "avgpopulationIs" : 3239.4857142857145 }

{ "\_id" : { "state" : "NM" }, "avgpopulationIs" : 5489.380434782609 }

{ "\_id" : { "state" : "ME" }, "avgpopulationIs" : 2991.8243902439026 }

{ "\_id" : { "state" : "NV" }, "avgpopulationIs" : 11556.086538461539 }

{ "\_id" : { "state" : "MA" }, "avgpopulationIs" : 12692.879746835442 }

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

{ "\_id" : { "state" : "NJ" }, "avgpopulationIs" : 14315.162962962962 }

{ "\_id" : { "state" : "ID" }, "avgpopulationIs" : 4126.020491803279 }

{ "\_id" : { "state" : "MD" }, "avgpopulationIs" : 11384.235714285714 }

{ "\_id" : { "state" : "WI" }, "avgpopulationIs" : 6832.079608938548 }

{ "\_id" : { "state" : "UT" }, "avgpopulationIs" : 8404.146341463415 }

{ "\_id" : { "state" : "IL" }, "avgpopulationIs" : 9238.137429264349 }

{ "\_id" : { "state" : "CO" }, "avgpopulationIs" : 7955.929951690821 }

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{ "\_id" : { "state" : "RI" }, "avgpopulationIs" : 14539.391304347826 }

{ "\_id" : { "state" : "SC" }, "avgpopulationIs" : 9962.00857142857 }

{ "\_id" : { "state" : "KY" }, "avgpopulationIs" : 4543.243510506799 }

{ "\_id" : { "state" : "MI" }, "avgpopulationIs" : 10611.069634703197 }

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

{ "\_id" : { "state" : "OH" }, "avgpopulationIs" : 10771.119165839125 }

{ "\_id" : { "state" : "IA" }, "avgpopulationIs" : 3011.301518438178 }

{ "\_id" : { "state" : "MT" }, "avgpopulationIs" : 2544.420382165605 }

{ "\_id" : { "state" : "ND" }, "avgpopulationIs" : 1632.4092071611253 }

{ "\_id" : { "state" : "AK" }, "avgpopulationIs" : 2793.3230769230768 }

{ "\_id" : { "state" : "TN" }, "avgpopulationIs" : 8378.792096219931 }

{ "\_id" : { "state" : "IN" }, "avgpopulationIs" : 8201.384615384615 }

{ "\_id" : { "state" : "AL" }, "avgpopulationIs" : 7126.255731922399 }

{ "\_id" : { "state" : "GA" }, "avgpopulationIs" : 10201.914960629922 }

{ "\_id" : { "state" : "MS" }, "avgpopulationIs" : 7088.749311294766 }

{ "\_id" : { "state" : "DE" }, "avgpopulationIs" : 12569.207547169812 }

{ "\_id" : { "state" : "HI" }, "avgpopulationIs" : 13852.8625 }

{ "\_id" : { "state" : "KS" }, "avgpopulationIs" : 3461.937062937063 }

{ "\_id" : { "state" : "WA" }, "avgpopulationIs" : 10055.148760330578 }

{ "\_id" : { "state" : "VT" }, "avgpopulationIs" : 2315.8765432098767 }

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{ "\_id" : { "state" : "PA" }, "avgpopulationIs" : 8149.275034293552 }

{ "\_id" : { "state" : "AZ" }, "avgpopulationIs" : 13574.918518518518 }

{ "\_id" : { "state" : "MN" }, "avgpopulationIs" : 4958.02947845805 }

{ "\_id" : { "state" : "OR" }, "avgpopulationIs" : 7401.877604166667 }

{ "\_id" : { "state" : "LA" }, "avgpopulationIs" : 9089.644396551725 }

{ "\_id" : { "state" : "SD" }, "avgpopulationIs" : 1810.9296875 }

{ "\_id" : { "state" : "AR" }, "avgpopulationIs" : 4066.998269896194 }

{ "\_id" : { "state" : "NH" }, "avgpopulationIs" : 5088.311926605505 }

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

{ "\_id" : { "state" : "NC" }, "avgpopulationIs" : 9402.321985815603 }

{ "\_id" : { "state" : "OK" }, "avgpopulationIs" : 5367.892491467577 }

**2.What are the top 3 states in terms of average city population**.

db.zipcodes.aggregate([{$group:{\_id: { state:"$state"},avgpopulationIs: { $avg:"$pop"}} },{$sort: {avgpopulationIs:-1}},{$limit:3} ])

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

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

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

**ASSIGNMENT -3**

**1.Write a mongoDB query to display all the documents in the collection restaurants.**

db.addresses.find()

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c5"), "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("60e84b2546a40c6ba30f13c6"), "address" : { "building" : "469", "coord" : [ -73.961704, 40.662942 ], "street" : "Flatbush Avenue", "zipcode" : "11225" }, "borough" : "Brooklyn", "cuisine" : "Hamburgers", "grades" : [ { "date" : ISODate("2014-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-07-01T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2013-04-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-08T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c7"), "address" : { "building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ], "street" : "West 57 Street", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : ISODate("2014-09-06T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-07-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-07-31T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-12-29T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c8"), "address" : { "building" : "2780", "coord" : [ -73.98241999999999, 40.579505 ], "street" : "Stillwell Avenue", "zipcode" : "11224" }, "borough" : "Brooklyn", "cuisine" : "American ", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c9"), "address" : { "building" : "97-22", "coord" : [ -73.8601152, 40.7311739 ], "street" : "63 Road", "zipcode" : "11374" }, "borough" : "Queens", "cuisine" : "Jewish/Kosher", "grades" : [ { "date" : ISODate("2014-11-24T00:00:00Z"), "grade" : "Z", "score" : 20 }, { "date" : ISODate("2013-01-17T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-08-02T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-15T00:00:00Z"), "grade" : "B", "score" : 25 } ], "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13ca"), "address" : { "building" : "8825", "coord" : [ -73.8803827, 40.7643124 ], "street" : "Astoria Boulevard", "zipcode" : "11369" }, "borough" : "Queens", "cuisine" : "American ", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13cb"), "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("60e84b2546a40c6ba30f13cc"), "address" : { "building" : "7114", "coord" : [ -73.9068506, 40.6199034 ], "street" : "Avenue U", "zipcode" : "11234" }, "borough" : "Brooklyn", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-05-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-08-03T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-07-18T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-03-09T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-10-14T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13cd"), "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13ce"), "address" : { "building" : "1839", "coord" : [ -73.9482609, 40.6408271 ], "street" : "Nostrand Avenue", "zipcode" : "11226" }, "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-07-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-10T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-07-11T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-02-23T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13cf"), "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("60e84b2546a40c6ba30f13d0"), "address" : { "building" : "7715", "coord" : [ -73.9973325, 40.61174889999999 ], "street" : "18 Avenue", "zipcode" : "11214" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-16T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-04-23T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-04-24T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-12-16T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d1"), "address" : { "building" : "1269", "coord" : [ -73.871194, 40.6730975 ], "street" : "Sutter Avenue", "zipcode" : "11208" }, "borough" : "Brooklyn", "cuisine" : "Chinese", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d2"), "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("60e84b2546a40c6ba30f13d3"), "address" : { "building" : "705", "coord" : [ -73.9653967, 40.6064339 ], "street" : "Kings Highway", "zipcode" : "11223" }, "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d4"), "address" : { "building" : "203", "coord" : [ -73.97822040000001, 40.6435254 ], "street" : "Church Avenue", "zipcode" : "11218" }, "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-02-10T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-01-02T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-09T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2011-11-07T00:00:00Z"), "grade" : "P", "score" : 12 }, { "date" : ISODate("2011-07-21T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d5"), "address" : { "building" : "265-15", "coord" : [ -73.7032601, 40.7386417 ], "street" : "Hillside Avenue", "zipcode" : "11004" }, "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-10-28T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d6"), "address" : { "building" : "6909", "coord" : [ -74.0259567, 40.6353674 ], "street" : "3 Avenue", "zipcode" : "11209" }, "borough" : "Brooklyn", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-08-21T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2014-03-05T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-01-10T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d7"), "address" : { "building" : "522", "coord" : [ -73.95171, 40.767461 ], "street" : "East 74 Street", "zipcode" : "10021" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-09-02T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-12-19T00:00:00Z"), "grade" : "B", "score" : 16 }, { "date" : ISODate("2013-05-28T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-12-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-29T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d8"), "address" : { "building" : "284", "coord" : [ -73.9829239, 40.6580753 ], "street" : "Prospect Park West", "zipcode" : "11215" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-19T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-11-14T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-12-05T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

**2.Write a MongoDB query to display the fields restaurant\_id,name,borough and cuisine for all the documents in the collection restaurant.**

db.addresses.find({},{restaurant\_id:1,name:1,borough:1,cuisine:1})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c5"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c6"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c7"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c8"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c9"), "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13ca"), "borough" : "Queens", "cuisine" : "American ", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13cb"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13cc"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13cd"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13ce"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13cf"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d0"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d1"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d2"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d3"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant\_id" : "40360045" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d4"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d5"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d6"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d7"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d8"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

**3.Write a MongoDB query to display the fields restaurant\_id,name,borough and cuisine,but exclude the field\_id for all the documents in the collection restaurant.**

db.addresses.find({},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0})

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

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

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

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

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

{ "borough" : "Queens", "cuisine" : "American ", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

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

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

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

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

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

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

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

{ "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

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

**4.Write a MongoDB query to display the fields restaurant\_id,name,borough and zip code,but exclude the field\_id for all the documents in the collection restaurant**.

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

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

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

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

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

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

{ "borough" : "Queens", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

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

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

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

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

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

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

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

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

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

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

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

{ "borough" : "Brooklyn", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "borough" : "Manhattan", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

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

Type "it" for more

**5.Write a MongoDB query to display the first 5 restaurants which is in the borough Bronx**.

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

{ "\_id" : ObjectId("60e84b2546a40c6ba30f149c"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Terrace Cafe", "restaurant\_id" : "40368018" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f157c"), "address" : { "building" : "703", "coord" : [ -73.79064389999999, 40.8575687 ], "street" : "Minnieford Ave", "zipcode" : "10464" }, "borough" : "Bronx", "cuisine" : "Seafood", "grades" : [ { "date" : ISODate("2014-09-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-04-01T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-08-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-04T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-06-14T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Jp'S Waterside Restaurant", "restaurant\_id" : "40377124" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f146b"), "address" : { "building" : "4340", "coord" : [ -73.8194559, 40.8899176 ], "street" : "Boston Road", "zipcode" : "10475" }, "borough" : "Bronx", "cuisine" : "Pancakes/Waffles", "grades" : [ { "date" : ISODate("2014-09-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-05-16T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-10-30T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-06-05T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-04T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Ihop", "restaurant\_id" : "40366833" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1470"), "address" : { "building" : "1191", "coord" : [ -73.8513114, 40.8316981 ], "street" : "Castle Hill Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-07-03T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-08T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-02-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-08-14T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2011-08-23T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Lulu'S Coffee Shop", "restaurant\_id" : "40366938" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f149e"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Cool Zone", "restaurant\_id" : "40368022" }

**6.Write a MongoDB query to display all the restaurant which is in the borough Bronx.**

db.addresses.find({borough:"Bronx"})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f149c"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Terrace Cafe", "restaurant\_id" : "40368018" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f157c"), "address" : { "building" : "703", "coord" : [ -73.79064389999999, 40.8575687 ], "street" : "Minnieford Ave", "zipcode" : "10464" }, "borough" : "Bronx", "cuisine" : "Seafood", "grades" : [ { "date" : ISODate("2014-09-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-04-01T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-08-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-04T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-06-14T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Jp'S Waterside Restaurant", "restaurant\_id" : "40377124" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f146b"), "address" : { "building" : "4340", "coord" : [ -73.8194559, 40.8899176 ], "street" : "Boston Road", "zipcode" : "10475" }, "borough" : "Bronx", "cuisine" : "Pancakes/Waffles", "grades" : [ { "date" : ISODate("2014-09-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-05-16T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-10-30T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-06-05T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-04T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Ihop", "restaurant\_id" : "40366833" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1470"), "address" : { "building" : "1191", "coord" : [ -73.8513114, 40.8316981 ], "street" : "Castle Hill Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-07-03T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-08T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-02-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-08-14T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2011-08-23T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Lulu'S Coffee Shop", "restaurant\_id" : "40366938" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f149e"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Cool Zone", "restaurant\_id" : "40368022" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14c0"), "address" : { "building" : "3533", "coord" : [ -73.9100082, 40.8863835 ], "street" : "Johnson Avenue", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-09-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-03-26T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-03-08T00:00:00Z"), "grade" : "P", "score" : 2 }, { "date" : ISODate("2012-09-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-13T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-07-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-02-26T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Blue Bay Restaurant", "restaurant\_id" : "40369087" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f141a"), "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("60e84b2546a40c6ba30f14c8"), "address" : { "building" : "591", "coord" : [ -73.790804, 40.8541848 ], "street" : "City Island Ave", "zipcode" : "10464" }, "borough" : "Bronx", "cuisine" : "Seafood", "grades" : [ { "date" : ISODate("2014-12-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-06-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-11-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-16T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2012-02-29T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Seashore Restaurant", "restaurant\_id" : "40369299" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14d2"), "address" : { "building" : "2375", "coord" : [ -73.85534559999999, 40.8426433 ], "street" : "East Tremont Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-04-08T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-11-04T00:00:00Z"), "grade" : "C", "score" : 45 }, { "date" : ISODate("2013-05-23T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-10-18T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2012-10-05T00:00:00Z"), "grade" : "P", "score" : 12 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-12-21T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Bronx Grill", "restaurant\_id" : "40369601" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13e4"), "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("60e84b2546a40c6ba30f149b"), "address" : { "building" : "4280", "coord" : [ -73.86697, 40.89794699999999 ], "street" : "Katonah Ave", "zipcode" : "10470" }, "borough" : "Bronx", "cuisine" : "Not Listed/Not Applicable", "grades" : [ { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-06-07T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-06-27T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-07-13T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "The Lark'S Nest", "restaurant\_id" : "40367946" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14e4"), "address" : { "building" : "170", "coord" : [ -73.9035553, 40.878342 ], "street" : "West 231 Street", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-01T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2014-04-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-10-23T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-21T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-05-02T00:00:00Z"), "grade" : "P", "score" : 3 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade" : "B", "score" : 24 } ], "name" : "P & K'S Grill", "restaurant\_id" : "40369895" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f15a3"), "address" : { "building" : "4090", "coord" : [ -83.8842292, 30.6928463 ], "street" : "Boston Post Road", "zipcode" : "10475" }, "borough" : "Bronx", "cuisine" : "Donuts", "grades" : [ { "date" : ISODate("2014-07-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-16T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-08-01T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Dunkin' Donuts", "restaurant\_id" : "40379573" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f149d"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-06-01T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "African Terrace", "restaurant\_id" : "40368021" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1540"), "address" : { "building" : "5655", "coord" : [ -73.90401159999999, 40.8803571 ], "street" : "Broadway", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "Pancakes/Waffles", "grades" : [ { "date" : ISODate("2014-08-08T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2014-03-11T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-09-04T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-01-28T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-07-31T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-03-13T00:00:00Z"), "grade" : "B", "score" : 21 } ], "name" : "Ihop", "restaurant\_id" : "40373938" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f145e"), "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1528"), "address" : { "building" : "1599", "coord" : [ -73.87575, 40.8294396 ], "street" : "Westchester Avenue", "zipcode" : "10472" }, "borough" : "Bronx", "cuisine" : "Pizza", "grades" : [ { "date" : ISODate("2015-01-13T00:00:00Z"), "grade" : "Z", "score" : 17 }, { "date" : ISODate("2014-08-04T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2014-07-21T00:00:00Z"), "grade" : "P", "score" : 12 }, { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-08-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-03-13T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-01-17T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Yankee Jz Pizza", "restaurant\_id" : "40372631" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1432"), "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("60e84b2546a40c6ba30f13c5"), "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("60e84b2546a40c6ba30f1476"), "address" : { "building" : "2894", "coord" : [ -73.815175, 40.8137649 ], "street" : "Schurz Ave", "zipcode" : "10465" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-31T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-06-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "Marina Delray", "restaurant\_id" : "40367161" }

**7.Write a MongoDB query to display the next 5 restaurants after skipping first 5 which are in the borough Borox.**

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

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14c0"), "address" : { "building" : "3533", "coord" : [ -73.9100082, 40.8863835 ], "street" : "Johnson Avenue", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-09-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-03-26T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-03-08T00:00:00Z"), "grade" : "P", "score" : 2 }, { "date" : ISODate("2012-09-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-13T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-07-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-02-26T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Blue Bay Restaurant", "restaurant\_id" : "40369087" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f141a"), "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("60e84b2546a40c6ba30f14c8"), "address" : { "building" : "591", "coord" : [ -73.790804, 40.8541848 ], "street" : "City Island Ave", "zipcode" : "10464" }, "borough" : "Bronx", "cuisine" : "Seafood", "grades" : [ { "date" : ISODate("2014-12-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-06-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-11-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-16T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2012-02-29T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Seashore Restaurant", "restaurant\_id" : "40369299" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14d2"), "address" : { "building" : "2375", "coord" : [ -73.85534559999999, 40.8426433 ], "street" : "East Tremont Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-04-08T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-11-04T00:00:00Z"), "grade" : "C", "score" : 45 }, { "date" : ISODate("2013-05-23T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-10-18T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2012-10-05T00:00:00Z"), "grade" : "P", "score" : 12 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-12-21T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Bronx Grill", "restaurant\_id" : "40369601" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13e4"), "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" }

**8.Write a MongoDB query to find the restaurant who achieved a score more than 90.**

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

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1523"), "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("60e84b2546a40c6ba30f1727"), "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("60e84b2546a40c6ba30f15c4"), "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" }

**9.Write a MongoDB query to find the restaurants that achieved a score,more than 80 but less than 100.**

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

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1523"), "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("60e84b2546a40c6ba30f1727"), "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("60e84b2546a40c6ba30f15c4"), "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("60e84b2746a40c6ba30f1f93"), "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.Write a MongoDB query to find the restuarants which locate in latitude value less than -95.754168**.

db.addresses.find({"address.coord.0":{$lt:-95.754168}})

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1a0d"), "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("60e84b2646a40c6ba30f1d78"), "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("60e84b2746a40c6ba30f221e"), "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.Write a MongoDB query to find the restuarants that do not prepare any cuisine of ‘American’ and their grade score more than 70 and laltitude less than -65.754168**.

db.rest.find({$and : [{"cuisine" : {$ne : "American "}}, {"address.coord.0" : {$lt : -65.754168}}, {"grades.score" : {$gt : 70}}]})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1727"), "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("60e84b2546a40c6ba30f15c4"), "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("60e84b2646a40c6ba30f1882"), "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("60e84b2746a40c6ba30f1eac"), "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. Write a MongoDB query to find the restuarants that do not prepare any cuisine of ‘American’ and achieved score more than 70 and located in the longitude less than -65.754168.**

db.addresses.find({$and : [{"cuisine" : {$ne : "American "}}, {"address.coord" : {$lt : -65.754168}}, {"grades.score" : {$gt : 70}}]})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1727"), "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("60e84b2546a40c6ba30f15c4"), "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("60e84b2546a40c6ba30f1732"), "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("60e84b2646a40c6ba30f1882"), "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("60e84b2746a40c6ba30f1eac"), "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**. **Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American and achieved a grade point 'A' not belongs to the borough Brooklyn. The document must be displayed according to the cuisine in descending order.**

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

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1b8a"), "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("60e84b2646a40c6ba30f1ad1"), "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("60e84b2746a40c6ba30f1f73"), "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("60e84b2546a40c6ba30f1675"), "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("60e84b2646a40c6ba30f182a"), "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("60e84b2646a40c6ba30f1992"), "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("60e84b2646a40c6ba30f1a32"), "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" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1cf9"), "address" : { "building" : "646", "coord" : [ -73.97279, 40.791289 ], "street" : "Amsterdam Avenue", "zipcode" : "10025" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-02-19T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-11-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-10-03T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-04-11T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Mana", "restaurant\_id" : "40644922" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1cd3"), "address" : { "building" : "405", "coord" : [ -73.98565239999999, 40.7263767 ], "street" : "East 6 Street", "zipcode" : "10009" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-09-29T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-01-27T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2013-07-31T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-02-26T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2012-08-06T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-19T00:00:00Z"), "grade" : "B", "score" : 22 } ], "name" : "Caravan Of Dreams", "restaurant\_id" : "40635781" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f2181"), "address" : { "building" : "140", "coord" : [ -74.0004534, 40.7311503 ], "street" : "West 4 Street", "zipcode" : "10012" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-06-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-06-13T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-01-28T00:00:00Z"), "grade" : "C", "score" : 54 }, { "date" : ISODate("2012-06-21T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-01-25T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Red Bamboo", "restaurant\_id" : "40861201" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13e1"), "address" : { "building" : "60", "coord" : [ -74.0085357, 40.70620539999999 ], "street" : "Wall Street", "zipcode" : "10005" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-09-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-05-09T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "The Country Cafe", "restaurant\_id" : "40362715" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f183c"), "address" : { "building" : "386", "coord" : [ -73.981366, 40.741888 ], "street" : "3 Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-09-23T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-10T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Turkish Kitchen", "restaurant\_id" : "40399372" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1ad0"), "address" : { "building" : "64", "coord" : [ -73.9788293, 40.7765158 ], "street" : "West 71 Street", "zipcode" : "10023" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-09-04T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-02-07T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-04-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-07-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-02-01T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Pasha Turkish Restaurant", "restaurant\_id" : "40559546" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1acc"), "address" : { "building" : "1405", "coord" : [ -73.95796530000001, 40.7697258 ], "street" : "Second Avenue", "zipcode" : "10021" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-10-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-03-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-08-28T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2012-12-05T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-27T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Uskudar Restaurant", "restaurant\_id" : "40559172" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1d75"), "address" : { "building" : "631", "coord" : [ -73.991755, 40.760138 ], "street" : "9 Avenue", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-06-10T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-12-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-09-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-02-22T00:00:00Z"), "grade" : "B", "score" : 20 } ], "name" : "Turkish Cuisine", "restaurant\_id" : "40668464" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1c65"), "address" : { "building" : "25505", "coord" : [ -73.734503, 40.772264 ], "street" : "Northern Boulevard", "zipcode" : "11362" }, "borough" : "Queens", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-12-29T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-04-24T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-09-25T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2013-02-20T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Kebab House", "restaurant\_id" : "40608102" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f1f5f"), "address" : { "building" : "2637", "coord" : [ -73.970573, 40.797339 ], "street" : "Broadway", "zipcode" : "10025" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-06-27T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-29T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-04-19T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-10-05T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "Turkuaz Turkish Cuisine", "restaurant\_id" : "40749081" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f208c"), "address" : { "building" : "513", "coord" : [ -73.978636, 40.74148 ], "street" : "2 Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-10-22T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-05-08T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-11-19T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-03T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2012-02-21T00:00:00Z"), "grade" : "A", "score" : 4 } ], "name" : "Saharas Turkish Cuisine", "restaurant\_id" : "40815015" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1544"), "address" : { "building" : "244", "coord" : [ -73.9865289, 40.7606981 ], "street" : "West 48 Street", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "Thai", "grades" : [ { "date" : ISODate("2014-08-13T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2013-07-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-01-10T00:00:00Z"), "grade" : "C", "score" : 4 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-02-17T00:00:00Z"), "grade" : "P", "score" : 6 } ], "name" : "Pongsri Thai Restaurant", "restaurant\_id" : "40374088" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f170c"), "address" : { "building" : "396", "coord" : [ -73.9809909, 40.7422324 ], "street" : "Third Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Thai", "grades" : [ { "date" : ISODate("2014-10-30T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-01T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Jaiya Thai Oriental Restaurant", "restaurant\_id" : "40392724" }

Type "it" for more

**14**. **Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Wil' as first three letters for its name.**

db.addresses.find({name:/^Wil/},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0})

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

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

{ "borough" : "Bronx", "cuisine" : "Pizza", "name" : "Wilbel Pizza", "restaurant\_id" : "40871979" }

**15**. **Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'ces' as last three letters for its name.**

db.addresses.find({name:/ces$/},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0})

{ "borough" : "Queens", "cuisine" : "American ", "name" : "S.M.R Restaurant Services", "restaurant\_id" : "40403857" }

{ "borough" : "Manhattan", "cuisine" : "American ", "name" : "Pieces", "restaurant\_id" : "40399910" }

{ "borough" : "Manhattan", "cuisine" : "American ", "name" : "Good Shepherd Services", "restaurant\_id" : "40403989" }

{ "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "The Ice Box-Ralph'S Famous Italian Ices", "restaurant\_id" : "40690899" }

{ "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Alices", "restaurant\_id" : "40782042" }

{ "borough" : "Manhattan", "cuisine" : "American ", "name" : "Re: Sources", "restaurant\_id" : "40876068" }

**16**. **Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Reg' as three letters somewhere in its name.**

db.addresses.find({name:/.\*Reg.\*/},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0})

{ "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**. **Write a MongoDB query to find the restaurants which belong to the borough Bronx and prepared either American or Chinese dish.**

db.addresses.find({borough:"Bronx",$or:[{cuisine:"American"},{cuisine:"Chinese"}]})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13fa"), "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("60e84b2546a40c6ba30f13e8"), "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("60e84b2646a40c6ba30f1972"), "address" : { "building" : "2459", "coord" : [ -73.8929629, 40.8601605 ], "street" : "Webster Avenue", "zipcode" : "10458" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-12-23T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-01-07T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-12-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-07-18T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "China Wok Ii", "restaurant\_id" : "40510328" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1aad"), "address" : { "building" : "732", "coord" : [ -73.883128, 40.85353 ], "street" : "East 187 Street", "zipcode" : "10458" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-11-07T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-05-15T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-11-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-06-10T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-17T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "Great Wall Restaurant", "restaurant\_id" : "40552226" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1b4d"), "address" : { "building" : "1474", "coord" : [ -73.88122729999999, 40.8281391 ], "street" : "Westchester Avenue", "zipcode" : "10472" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-12-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-01-13T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "New Wah Kitchen", "restaurant\_id" : "40573101" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1aac"), "address" : { "building" : "3511", "coord" : [ -73.9100876, 40.8860444 ], "street" : "Johnson Avenue", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-07-02T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-11-06T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-03-29T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2012-06-20T00:00:00Z"), "grade" : "B", "score" : 27 } ], "name" : "Hunan Balcony", "restaurant\_id" : "40551996" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1b3f"), "address" : { "building" : "202", "coord" : [ -73.9164504, 40.8341845 ], "street" : "East 167 Street", "zipcode" : "10456" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-12-10T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-12-12T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-12-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-08-01T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-03-13T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Lucky House Restaurant", "restaurant\_id" : "40571587" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f19fd"), "address" : { "building" : "2102", "coord" : [ -73.82609699999999, 40.8687177 ], "street" : "Bartow Ave", "zipcode" : "10475" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-08-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-02-21T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-05-30T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2012-04-13T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Dragon City", "restaurant\_id" : "40529203" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1e09"), "address" : { "building" : "1702", "coord" : [ -73.9137269, 40.8482958 ], "street" : "Grand Avenue", "zipcode" : "10453" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-04-16T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-03-14T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-09-22T00:00:00Z"), "grade" : "B", "score" : 17 } ], "name" : "New Hing Restaurant", "restaurant\_id" : "40701165" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f20ce"), "address" : { "building" : "1634", "coord" : [ -73.8306577, 40.8450232 ], "street" : "Crosby Avenue", "zipcode" : "10461" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-08-08T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-23T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-12-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-25T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2011-10-03T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "East Dynasty", "restaurant\_id" : "40827529" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f2130"), "address" : { "building" : "70", "coord" : [ -73.9066601, 40.8592187 ], "street" : "West 183 Street", "zipcode" : "10453" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-12-01T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2014-07-02T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-01-23T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-07-24T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-01-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-07-19T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2011-12-21T00:00:00Z"), "grade" : "B", "score" : 14 } ], "name" : "Peacock Restaurant", "restaurant\_id" : "40849313" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f2164"), "address" : { "building" : "317", "coord" : [ -73.909629, 40.837446 ], "street" : "East 170 Street", "zipcode" : "10456" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-12-03T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-04-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-11-19T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-05-06T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-09-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-04-17T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Lin'S Garden", "restaurant\_id" : "40857406" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f1fc9"), "address" : { "building" : "1811", "coord" : [ -73.8518311, 40.8504655 ], "street" : "Williamsbridge Road", "zipcode" : "10461" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-03-05T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-12T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-17T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "A", "score" : 4 } ], "name" : "Hong Kong Restaurant", "restaurant\_id" : "40765358" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f2054"), "address" : { "building" : "796", "coord" : [ -73.91637759999999, 40.8226814 ], "street" : "Courtlandt Avenue", "zipcode" : "10451" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-08-15T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-08-27T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-03-06T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-08-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-21T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2011-10-24T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Kristy'S Restaurant", "restaurant\_id" : "40804049" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f2112"), "address" : { "building" : "2461", "coord" : [ -73.9041182, 40.8644648 ], "street" : "University Avenue", "zipcode" : "10468" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-04-10T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-27T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-10-25T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-11T00:00:00Z"), "grade" : "P", "score" : 2 }, { "date" : ISODate("2011-11-01T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-04-20T00:00:00Z"), "grade" : "B", "score" : 17 } ], "name" : "Lin Home Chinese Restaura", "restaurant\_id" : "40842437" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f227a"), "address" : { "building" : "3906", "coord" : [ -73.8612466, 40.8858379 ], "street" : "White Plains Road", "zipcode" : "10466" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-05-12T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-10-07T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-10-05T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-06-30T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "New Rainbow Restaurant", "restaurant\_id" : "40899178" }

**18**. **Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which belong to the borough Staten Island or Queens or Bronx or Brooklyn.**

db.addresses.find({$or:[{borough:"Staten Island"},{borough:"Queens"},{borough:"Bronx"},{borough:"Brooklyn"}]},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0})

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

{ "borough" : "Queens", "cuisine" : "American ", "name" : "Snack Time Grill", "restaurant\_id" : "40363590" }

{ "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

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

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Sonny'S Heros", "restaurant\_id" : "40363744" }

{ "borough" : "Queens", "cuisine" : "American ", "name" : "Little Brown Jug", "restaurant\_id" : "40366929" }

{ "borough" : "Queens", "cuisine" : "Irish", "name" : "O'Hanlon'S Pub", "restaurant\_id" : "40367232" }

{ "borough" : "Queens", "cuisine" : "Italian", "name" : "Piccola Venezia", "restaurant\_id" : "40367540" }

{ "borough" : "Queens", "cuisine" : "Seafood", "name" : "Lenny'S Clam Bar", "restaurant\_id" : "40367749" }

{ "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "name" : "Terrace Cafe", "restaurant\_id" : "40368018" }

{ "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant\_id" : "40369667" }

{ "borough" : "Queens", "cuisine" : "American ", "name" : "Divers Cove", "restaurant\_id" : "40370519" }

{ "borough" : "Queens", "cuisine" : "French", "name" : "La Baraka Restaurant", "restaurant\_id" : "40371614" }

{ "borough" : "Queens", "cuisine" : "Pizza", "name" : "La Villa De Pizza & Restaurant", "restaurant\_id" : "40375286" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Vegas Diner", "restaurant\_id" : "40375972" }

{ "borough" : "Brooklyn", "cuisine" : "Italian", "name" : "Marco Polo Ristorante", "restaurant\_id" : "40376495" }

{ "borough" : "Bronx", "cuisine" : "Seafood", "name" : "Jp'S Waterside Restaurant", "restaurant\_id" : "40377124" }

{ "borough" : "Brooklyn", "cuisine" : "Caribbean", "name" : "Shashemene Int'L Restaura", "restaurant\_id" : "40362869" }

{ "borough" : "Brooklyn", "cuisine" : "Donuts", "name" : "Dunkin' Donuts", "restaurant\_id" : "40363098" }

{ "borough" : "Staten Island", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40363834" }

Type "it" for more

**19**. **Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which are not belonging to the borough Staten Island or Queens or Bronx or Brooklyn.**

db.addresses.find({$and:[{borough:{$not:/Bronx/}},{borough:{$not:/Brooklyn/}},{borough:{$not:/Staten Island/}},{borough:{$not:/Queens/}}]},{restaurant\_id:1,name:1,borough:1,cuisine:1})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13f5"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant\_id" : "40363945" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1413"), "borough" : "Manhattan", "cuisine" : "Continental", "name" : "Dining Room", "restaurant\_id" : "40364691" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1450"), "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Nanni Restaurant", "restaurant\_id" : "40366157" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1458"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Dangerfield'S Night Club", "restaurant\_id" : "40366381" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f150d"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "West Bank Cafe", "restaurant\_id" : "40371454" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f15a0"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Gotham Bar & Grill", "restaurant\_id" : "40379304" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f15a9"), "borough" : "Manhattan", "cuisine" : "Japanese", "name" : "Restuarant Nippon", "restaurant\_id" : "40379746" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13e9"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Cafe Metro", "restaurant\_id" : "40363298" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13fc"), "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Texas Rotisserie", "restaurant\_id" : "40364304" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1448"), "borough" : "Manhattan", "cuisine" : "Chinese", "name" : "Hop Kee Restaurant", "restaurant\_id" : "40365942" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1496"), "borough" : "Manhattan", "cuisine" : "Seafood", "name" : "One If By Land Two If By Sea", "restaurant\_id" : "40367797" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14bd"), "borough" : "Manhattan", "cuisine" : "Greek", "name" : "Viand Coffee Shop", "restaurant\_id" : "40369016" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14dd"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Nectar Coffee Shop", "restaurant\_id" : "40369759" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1509"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Coliseum Bar Restaurant", "restaurant\_id" : "40371281" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f151c"), "borough" : "Manhattan", "cuisine" : "French", "name" : "La Ripaille Restaurant", "restaurant\_id" : "40372262" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f155c"), "borough" : "Manhattan", "cuisine" : "Indian", "name" : "Agra Restaurant", "restaurant\_id" : "40375376" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f15a1"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Mcaleer'S Pub", "restaurant\_id" : "40379355" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1400"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Palm Restaurant", "restaurant\_id" : "40364355" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1406"), "borough" : "Manhattan", "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)", "name" : "Seville Restaurant", "restaurant\_id" : "40364439" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1420"), "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Forlinis Restaurant", "restaurant\_id" : "40365098" }

Type "it" for more

**20**. **Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which achieved a score which is not more than 10.**

db.addresses.find({"grades.score":{$lte:10}},{restaurant\_id:1,name:1,borough:1,cuisine:1})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c6"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13ee"), "borough" : "Queens", "cuisine" : "American ", "name" : "Snack Time Grill", "restaurant\_id" : "40363590" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d6"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d1"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13f2"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Sonny'S Heros", "restaurant\_id" : "40363744" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13f5"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant\_id" : "40363945" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1413"), "borough" : "Manhattan", "cuisine" : "Continental", "name" : "Dining Room", "restaurant\_id" : "40364691" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1458"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Dangerfield'S Night Club", "restaurant\_id" : "40366381" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f146f"), "borough" : "Queens", "cuisine" : "American ", "name" : "Little Brown Jug", "restaurant\_id" : "40366929" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f147b"), "borough" : "Queens", "cuisine" : "Irish", "name" : "O'Hanlon'S Pub", "restaurant\_id" : "40367232" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f148a"), "borough" : "Queens", "cuisine" : "Italian", "name" : "Piccola Venezia", "restaurant\_id" : "40367540" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1490"), "borough" : "Queens", "cuisine" : "Seafood", "name" : "Lenny'S Clam Bar", "restaurant\_id" : "40367749" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f149c"), "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "name" : "Terrace Cafe", "restaurant\_id" : "40368018" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14d6"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant\_id" : "40369667" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14fc"), "borough" : "Queens", "cuisine" : "American ", "name" : "Divers Cove", "restaurant\_id" : "40370519" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f150d"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "West Bank Cafe", "restaurant\_id" : "40371454" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f150f"), "borough" : "Queens", "cuisine" : "French", "name" : "La Baraka Restaurant", "restaurant\_id" : "40371614" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1559"), "borough" : "Queens", "cuisine" : "Pizza", "name" : "La Villa De Pizza & Restaurant", "restaurant\_id" : "40375286" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1565"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Vegas Diner", "restaurant\_id" : "40375972" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1571"), "borough" : "Brooklyn", "cuisine" : "Italian", "name" : "Marco Polo Ristorante", "restaurant\_id" : "40376495" }

Type "it" for more

**21. . Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinese' or restaurant's name begins with letter 'Wil'.**

db.addresses.find({$or:[{name:/^Wil/},{$and:[{cuisine:{$not:/American/}},{cuisine:{$not:/Chinese/}}]}]},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0})

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

{ "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant\_id" : "40363945" }

{ "borough" : "Manhattan", "cuisine" : "Continental", "name" : "Dining Room", "restaurant\_id" : "40364691" }

{ "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Nanni Restaurant", "restaurant\_id" : "40366157" }

{ "borough" : "Queens", "cuisine" : "Irish", "name" : "O'Hanlon'S Pub", "restaurant\_id" : "40367232" }

{ "borough" : "Queens", "cuisine" : "Italian", "name" : "Piccola Venezia", "restaurant\_id" : "40367540" }

{ "borough" : "Queens", "cuisine" : "Seafood", "name" : "Lenny'S Clam Bar", "restaurant\_id" : "40367749" }

{ "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "name" : "Terrace Cafe", "restaurant\_id" : "40368018" }

{ "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant\_id" : "40369667" }

{ "borough" : "Queens", "cuisine" : "French", "name" : "La Baraka Restaurant", "restaurant\_id" : "40371614" }

{ "borough" : "Queens", "cuisine" : "Pizza", "name" : "La Villa De Pizza & Restaurant", "restaurant\_id" : "40375286" }

{ "borough" : "Brooklyn", "cuisine" : "Italian", "name" : "Marco Polo Ristorante", "restaurant\_id" : "40376495" }

{ "borough" : "Bronx", "cuisine" : "Seafood", "name" : "Jp'S Waterside Restaurant", "restaurant\_id" : "40377124" }

{ "borough" : "Manhattan", "cuisine" : "Japanese", "name" : "Restuarant Nippon", "restaurant\_id" : "40379746" }

{ "borough" : "Brooklyn", "cuisine" : "Caribbean", "name" : "Shashemene Int'L Restaura", "restaurant\_id" : "40362869" }

{ "borough" : "Brooklyn", "cuisine" : "Donuts", "name" : "Dunkin' Donuts", "restaurant\_id" : "40363098" }

{ "borough" : "Staten Island", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40363834" }

{ "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Kosher Bagel Hole", "restaurant\_id" : "40364220" }

{ "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Texas Rotisserie", "restaurant\_id" : "40364304" }

Type "it" for more

**22. Write a MongoDB query to find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an ISODate "2014-08-11T00:00:00Z" among many of survey dates**

db.addresses.find({"grades.grade":"A","grades.score":11,"grades.date":ISODate('2014-08-11T00:00:00Z')}, {restaurant\_id:1,name:1,grades:1,\_id:0})

{ "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" }

{ "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" }

{ "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" }

{ "grades" : [ { "date" : ISODate("2015-01-12T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-02-07T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-04-30T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Club Macanudo (Cigar Bar)", "restaurant\_id" : "40526406" }

{ "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-01-09T00:00:00Z"), "grade" : "B", "score" : 27 }, { "date" : ISODate("2013-06-11T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-10-09T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2012-05-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Marino'S Pizza & Restaurant", "restaurant\_id" : "40560917" }

{ "grades" : [ { "date" : ISODate("2015-01-05T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-03-04T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2013-09-13T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-01-16T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Gene'S Coffee Shop", "restaurant\_id" : "40614916" }

{ "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-08-29T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-03-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-12T00:00:00Z"), "grade" : "P", "score" : 4 } ], "name" : "Union Cafe Restaurant", "restaurant\_id" : "40698823" }

{ "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-08-28T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-05T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-08-25T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Jojo'S Pizza", "restaurant\_id" : "40892913" }

**23. Write a MongoDB query to find the restaurant Id, name and grades for those restaurants where the 2nd element of grades array contains a grade of "A" and score 9 on an ISODate "2014-08-11T00:00:00Z"**

db.addresses.find({"grades.1.grade":"A","grades.1.score":9,"grades.1.date":ISODate('2014-08-11T00:00:00Z')}, {restaurant\_id:1,name:1,grades:1})

{ "\_id" : ObjectId("60e84b2646a40c6ba30f19f0"), "grades" : [ { "date" : ISODate("2015-01-12T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-02-07T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-04-30T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Club Macanudo (Cigar Bar)", "restaurant\_id" : "40526406" }

**24. Write a MongoDB query to find the restaurant Id, name, address and geographical location for those restaurants where 2nd element of coord array contains a value which is more than 42 and up to 52**

db.addresses.find({$and:[{"address.coord.1":{$gt:42}},{"address.coord.1":{$lte:52}}]},{restaurant\_id:1,name:1,"address":1})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1667"), "address" : { "building" : "47", "coord" : [ -78.877224, 42.89546199999999 ], "street" : "Broadway @ Trinity Pl", "zipcode" : "10006" }, "name" : "T.G.I. Friday'S", "restaurant\_id" : "40387990" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1693"), "address" : { "building" : "1", "coord" : [ -0.7119979, 51.6514664 ], "street" : "Pennplaza E, Penn Sta", "zipcode" : "10001" }, "name" : "T.G.I. Fridays", "restaurant\_id" : "40388936" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f18ec"), "address" : { "building" : "3000", "coord" : [ -87.86567699999999, 42.61150920000001 ], "street" : "47 Avenue", "zipcode" : "11101" }, "name" : "Di Luvio'S Deli", "restaurant\_id" : "40402284" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1b21"), "address" : { "building" : "21972199", "coord" : [ -78.589606, 42.8912372 ], "street" : "Broadway", "zipcode" : "10024" }, "name" : "La Caridad 78", "restaurant\_id" : "40568285" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f21f3"), "address" : { "building" : "7981", "coord" : [ -84.9751215, 45.4713351 ], "street" : "Hoyt Street", "zipcode" : "11201" }, "name" : "Bijan'S", "restaurant\_id" : "40876618" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f2208"), "address" : { "building" : "0", "coord" : [ -88.0778799, 42.4154769 ], "street" : "& Grand Central", "zipcode" : "10017" }, "name" : "Hyatt, Ny Central/Room Service", "restaurant\_id" : "40879243" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f221e"), "address" : { "building" : "60", "coord" : [ -111.9975205, 42.0970258 ], "street" : "West Side Highway", "zipcode" : "10006" }, "name" : "Sports Center At Chelsea Piers (Sushi Bar)", "restaurant\_id" : "40882356" }

**25. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.**

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

{ "\_id" : ObjectId("60e84b2746a40c6ba30f2055"), "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("60e84b2546a40c6ba30f13d2"), "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("60e84b2646a40c6ba30f1be4"), "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("60e84b2646a40c6ba30f1ad8"), "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("60e84b2646a40c6ba30f18a5"), "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" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1cdf"), "address" : { "building" : "10401", "coord" : [ -73.9004264, 40.6520939 ], "street" : "Foster Avenue", "zipcode" : "11236" }, "borough" : "Brooklyn", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-12-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-04-08T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-03-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "104-01 Foster Avenue Coffee Shop(Ups)", "restaurant\_id" : "40639261" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1d8b"), "address" : { "building" : "256", "coord" : [ -73.998993, 40.74718060000001 ], "street" : "10Th Ave Bet 24 & 25 St )", "zipcode" : "10001" }, "borough" : "Manhattan", "cuisine" : "Pizza", "grades" : [ { "date" : ISODate("2014-11-10T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-10-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-05-31T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-12-14T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-07-09T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-02-03T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "10Th Avenue Pizza & Cafe", "restaurant\_id" : "40673117" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f222d"), "address" : { "building" : "0", "coord" : [ -73.7889689, 40.6433507 ], "street" : "Central Taxi Hold", "zipcode" : "11430" }, "borough" : "Queens", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-03-06T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-08-21T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-02-06T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "111 Restaurant", "restaurant\_id" : "40884354" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1dfd"), "address" : { "building" : "15", "coord" : [ -73.9921155, 40.7364657 ], "street" : "East 15 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Japanese", "grades" : [ { "date" : ISODate("2014-06-28T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-10-22T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-03-22T00:00:00Z"), "grade" : "C", "score" : 64 }, { "date" : ISODate("2012-07-05T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-02-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-06-30T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "15 East Restaurant", "restaurant\_id" : "40698892" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1618"), "address" : { "building" : "200", "coord" : [ -73.9804898, 40.6768216 ], "street" : "5 Avenue", "zipcode" : "11217" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-03T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2013-10-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-03-21T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-08-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-09T00:00:00Z"), "grade" : "C", "score" : 42 }, { "date" : ISODate("2011-10-13T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "200 Fifth Avenue Restaurant & Sports Bar", "restaurant\_id" : "40385555" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1401"), "address" : { "building" : "21", "coord" : [ -73.9774394, 40.7604522 ], "street" : "West 52 Street", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-08-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-04-04T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "21 Club", "restaurant\_id" : "40364362" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1689"), "address" : { "building" : "25", "coord" : [ -73.9860427, 40.7229989 ], "street" : "Avenue A", "zipcode" : "10009" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2013-10-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-27T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-10-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-06-23T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "2A", "restaurant\_id" : "40388784" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1bf1"), "address" : { "building" : "133", "coord" : [ -73.9702969, 40.75983919999999 ], "street" : "East 55 Street", "zipcode" : "10022" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-03T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-27T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-10-17T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-04-27T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-06T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-07-18T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "3 Deli & Grill", "restaurant\_id" : "40592296" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f16de"), "address" : { "building" : "1381", "coord" : [ -73.9538783, 40.787312 ], "street" : "Madison Avenue", "zipcode" : "10029" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-08-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-04-18T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2013-03-12T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-10-11T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-05-10T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-12-15T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "3 Guys", "restaurant\_id" : "40391339" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1ce4"), "address" : { "building" : "1232", "coord" : [ -73.957787, 40.782685 ], "street" : "Madison Avenue", "zipcode" : "10128" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-18T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-11-07T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-12-17T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-02-01T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "3 Guys Resturant", "restaurant\_id" : "40640495" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1c56"), "address" : { "building" : "647", "coord" : [ -74.0001028, 40.7619413 ], "street" : "West 42 Street", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-24T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-11-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-20T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-12-22T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "42Nd Street Pizza Diner", "restaurant\_id" : "40605319" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f206e"), "address" : { "building" : "622", "coord" : [ -73.9942049, 40.7610193 ], "street" : "10 Avenue", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-22T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-06-19T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-11-26T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-06-08T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-10-24T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-04-18T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "44 & X Hell'S Kitchen", "restaurant\_id" : "40809948" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1dfa"), "address" : { "building" : "621", "coord" : [ -73.992069, 40.759761 ], "street" : "9 Avenue", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-04-30T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-11-19T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-03-04T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2012-07-21T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-14T00:00:00Z"), "grade" : "B", "score" : 16 } ], "name" : "44 Sw Ristorante & Bar", "restaurant\_id" : "40698807" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f16b2"), "address" : { "building" : "7205", "coord" : [ -73.8424017, 40.7194513 ], "street" : "Austin Street", "zipcode" : "11375" }, "borough" : "Queens", "cuisine" : "Mexican", "grades" : [ { "date" : ISODate("2014-03-04T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-02-25T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-12-08T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-05-23T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "5 Burro Cafe", "restaurant\_id" : "40390163" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f205b"), "address" : { "building" : "525", "coord" : [ -73.9728136, 40.75546629999999 ], "street" : "Lexington Ave", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-22T00:00:00Z"), "grade" : "C", "score" : 41 }, { "date" : ISODate("2014-01-24T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-05-15T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2012-09-12T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-04-12T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-24T00:00:00Z"), "grade" : "C", "score" : 33 } ], "name" : "525 Lex Restaurant & Bar", "restaurant\_id" : "40806489" }

Type "it" for more

**26. Write a MongoDB query to arrange the name of the restaurants in descending along with all the columns.**

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

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1484"), "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("60e84b2746a40c6ba30f1fbe"), "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("60e84b2746a40c6ba30f21f8"), "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("60e84b2746a40c6ba30f2040"), "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("60e84b2646a40c6ba30f1976"), "address" : { "building" : "1", "coord" : [ -76.878256, 40.26205 ], "street" : "Pennsylvania Station (Amtrack)", "zipcode" : "10001" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-02-07T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-02-11T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-09-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-04-05T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-11-17T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-07-05T00:00:00Z"), "grade" : "A", "score" : 4 } ], "name" : "Zaro'S Bread Basket", "restaurant\_id" : "40510389" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f19a0"), "address" : { "building" : "89", "coord" : [ -73.97729919999999, 40.7524958 ], "street" : "East 42 Street", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-12-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-01-13T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-01-23T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-08-20T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-30T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Zaro'S Bread Basket", "restaurant\_id" : "40512617" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f17fb"), "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" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1bc0"), "address" : { "building" : "89", "coord" : [ -73.97729919999999, 40.7524958 ], "street" : "East 42 Street", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-12-11T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-07-17T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-06-26T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-01-29T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-07-16T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Zaro'S Bread Basket", "restaurant\_id" : "40586000" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f1f71"), "address" : { "building" : "2", "coord" : [ -73.992255, 40.749712 ], "street" : "Penn Plaza", "zipcode" : "10121" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-02-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-01-22T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-03-21T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-07-25T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Zaro'S Bread Basket", "restaurant\_id" : "40750766" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1937"), "address" : { "building" : "89", "coord" : [ -73.97729919999999, 40.7524958 ], "street" : "East 42 Street", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-09-29T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-14T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Zaro'S Bakery", "restaurant\_id" : "40423705" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1dc1"), "address" : { "building" : "370", "coord" : [ -73.9768121, 40.7507385 ], "street" : "Lexington Avenue", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-09-18T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-08T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2012-10-15T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-24T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-10-31T00:00:00Z"), "grade" : "B", "score" : 25 } ], "name" : "Zaro'S Bakery", "restaurant\_id" : "40686674" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1511"), "address" : { "building" : "500", "coord" : [ -73.9828058, 40.7150766 ], "street" : "Grand Street", "zipcode" : "10002" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-03-20T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-03-13T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-10-19T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-25T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Zafi'S Luncheonette", "restaurant\_id" : "40371718" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f21eb"), "address" : { "building" : "301", "coord" : [ -73.9465592, 40.8165415 ], "street" : "West 135 Street", "zipcode" : "10030" }, "borough" : "Manhattan", "cuisine" : "Caribbean", "grades" : [ { "date" : ISODate("2014-01-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-07-12T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-01-30T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-12-06T00:00:00Z"), "grade" : "C", "score" : 11 }, { "date" : ISODate("2012-02-28T00:00:00Z"), "grade" : "B", "score" : 16 } ], "name" : "Yvonne Yvonne Restaurant", "restaurant\_id" : "40875849" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1d07"), "address" : { "building" : "1292", "coord" : [ -73.9563202, 40.7846507 ], "street" : "Madison Avenue", "zipcode" : "10128" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2015-01-05T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-08-08T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-12-17T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-07-10T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "C", "score" : 41 } ], "name" : "Yura & Company On Madison", "restaurant\_id" : "40646987" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f1fbc"), "address" : { "building" : "9021", "coord" : [ -73.87785749999999, 40.760312 ], "street" : "31 Avenue", "zipcode" : "11369" }, "borough" : "Queens", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-12-10T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-06-12T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-11-12T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-04-10T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-10-17T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2012-05-23T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-12-22T00:00:00Z"), "grade" : "P", "score" : 6 } ], "name" : "Yummy Kitchen", "restaurant\_id" : "40763160" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f19fe"), "address" : { "building" : "518", "coord" : [ -74.02590599999999, 40.6209702 ], "street" : "86 Street", "zipcode" : "11209" }, "borough" : "Brooklyn", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-05-01T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-04-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-11-19T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-11-04T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Your Bakery", "restaurant\_id" : "40529415" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1a60"), "address" : { "building" : "137", "coord" : [ -73.9901259, 40.7231435 ], "street" : "East Houston Street", "zipcode" : "10002" }, "borough" : "Manhattan", "cuisine" : "Eastern European", "grades" : [ { "date" : ISODate("2014-06-23T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-03T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-25T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-01-31T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-08-30T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Yonah Shimmels Knishes", "restaurant\_id" : "40544576" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1c09"), "address" : { "building" : "292", "coord" : [ -73.9218923, 40.8169858 ], "street" : "East 149 Street", "zipcode" : "10451" }, "borough" : "Bronx", "cuisine" : "Pizza/Italian", "grades" : [ { "date" : ISODate("2014-10-06T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-05-20T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-03-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Yolanda Pizzeria Restaurant", "restaurant\_id" : "40594879" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f166c"), "address" : { "building" : "1290", "coord" : [ -73.9788903, 40.7605367 ], "street" : "Avenue Of Americas", "zipcode" : "10119" }, "borough" : "Manhattan", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-09-23T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-12-11T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-09T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2012-05-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-20T00:00:00Z"), "grade" : "B", "score" : 22 } ], "name" : "Yip'S", "restaurant\_id" : "40388209" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f171d"), "address" : { "building" : "404", "coord" : [ -73.97635439999999, 40.6438997 ], "street" : "Church Avenue", "zipcode" : "11218" }, "borough" : "Brooklyn", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-10-29T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-03-24T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-10-25T00:00:00Z"), "grade" : "C", "score" : 3 }, { "date" : ISODate("2012-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-05-09T00:00:00Z"), "grade" : "C", "score" : 2 } ], "name" : "Yen Yen Restaurant", "restaurant\_id" : "40393181" }

Type "it" for more

**27. Write a MongoDB query to arrange the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.**

db.addresses.find().sort({cuisine:1,borough:-1})

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1ab0"), "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("60e84b2646a40c6ba30f1bdb"), "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("60e84b2646a40c6ba30f1c94"), "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("60e84b2746a40c6ba30f21b7"), "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" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f202c"), "address" : { "building" : "14612", "coord" : [ -73.8057078, 40.6948408 ], "street" : "Liberty Avenue", "zipcode" : "11435" }, "borough" : "Queens", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-04-16T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-09-16T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-08-23T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-02-21T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-06-30T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "Africana Restaurant", "restaurant\_id" : "40798504" }

{ "\_id" : ObjectId("60e84b2646a40c6ba30f1db6"), "address" : { "building" : "195", "coord" : [ -73.9717845, 40.6897199 ], "street" : "Dekalb Avenue", "zipcode" : "11205" }, "borough" : "Brooklyn", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-08-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-01-13T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2012-12-19T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-08-01T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-03-12T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-01T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Madiba", "restaurant\_id" : "40684161" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f149d"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-06-01T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "African Terrace", "restaurant\_id" : "40368021" }

{ "\_id" : ObjectId("60e84b2746a40c6ba30f20e4"), "address" : { "building" : "2364", "coord" : [ -73.9025083, 40.8603246 ], "street" : "Jerome Avenue", "zipcode" : "10468" }, "borough" : "Bronx", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-04-22T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-10-22T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-04T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-05-26T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Ebe Ye Yie African Restaurant", "restaurant\_id" : "40832718" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1518"), "address" : { "building" : "275", "coord" : [ -74.1235473, 40.6215341 ], "street" : "Martling Ave", "zipcode" : "10314" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-09T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-01-16T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-06T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Exclusive Catering", "restaurant\_id" : "40372016" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f156e"), "address" : { "building" : "500", "coord" : [ -74.1069208, 40.6302784 ], "street" : "Forest Avenue", "zipcode" : "10310" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-17T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-07-05T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-10-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-07-02T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "King'S Arms Restaurant", "restaurant\_id" : "40376290" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1513"), "address" : { "building" : "2055", "coord" : [ -74.1321, 40.61266000000001 ], "street" : "Victory Boulevard", "zipcode" : "10314" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-06T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2014-05-06T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2013-01-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-17T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Schaffer'S Tavern", "restaurant\_id" : "40371771" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1421"), "address" : { "building" : "6736", "coord" : [ -74.2274942, 40.5071996 ], "street" : "Hylan Boulevard", "zipcode" : "10309" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-08-13T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-08-20T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 6 } ], "name" : "South Shore Swimming Club", "restaurant\_id" : "40365120" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14a7"), "address" : { "building" : "2001", "coord" : [ -74.099018, 40.58116500000001 ], "street" : "Hylan Boulevard", "zipcode" : "10306" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-06T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-03-20T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-09-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-04-01T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-05T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Colonnade Diner", "restaurant\_id" : "40368291" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1466"), "address" : { "building" : "697", "coord" : [ -74.11223799999999, 40.629819 ], "street" : "Forest Avenue", "zipcode" : "10310" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-17T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2013-10-03T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2013-02-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-05T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Li Greci'S Staaten Restaurant", "restaurant\_id" : "40366711" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f141d"), "address" : { "building" : "390", "coord" : [ -74.07444319999999, 40.6096914 ], "street" : "Hylan Boulevard", "zipcode" : "10305" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-06-15T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-08-30T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-10-07T00:00:00Z"), "grade" : "B", "score" : 20 } ], "name" : "Labetti'S Post # 2159", "restaurant\_id" : "40365022" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14c4"), "address" : { "building" : "372", "coord" : [ -74.1018239, 40.630788 ], "street" : "Forest Avenue", "zipcode" : "10301" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-03-08T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-17T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-02-14T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-07-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-07-11T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Jody'S Club", "restaurant\_id" : "40369158" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f159a"), "address" : { "building" : "502", "coord" : [ -74.1092654, 40.6379272 ], "street" : "Henderson Avenue", "zipcode" : "10310" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-17T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-12-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-01-22T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2012-05-09T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Union Hall", "restaurant\_id" : "40378822" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1410"), "address" : { "building" : "37", "coord" : [ -74.138263, 40.546681 ], "street" : "Mansion Ave", "zipcode" : "10308" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-22T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-25T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-06-09T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Great Kills Yacht Club", "restaurant\_id" : "40364610" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1574"), "address" : { "building" : "0", "coord" : [ -84.1899005, 39.7642657 ], "street" : "Memorial Ice Skating", "zipcode" : "10314" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-02-18T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "War Memorial Ice Skating Rink", "restaurant\_id" : "40376583" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1530"), "address" : { "building" : "3281", "coord" : [ -74.1690735, 40.5589805 ], "street" : "Richmond Avenue", "zipcode" : "10312" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2013-12-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-03T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-10-03T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-04-17T00:00:00Z"), "grade" : "B", "score" : 27 } ], "name" : "Golden Dove Diner", "restaurant\_id" : "40373118" }

Type "it" for more

**28. Write a MongoDB query to know whether all the addresses contains the street or not.**

db.addresses.find({"address.street": {$regex: /Street/}})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13f2"), "address" : { "building" : "1031", "coord" : [ -73.9075537, 40.6438684 ], "street" : "East 92 Street", "zipcode" : "11236" }, "borough" : "Brooklyn", "cuisine" : "American ", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13f5"), "address" : { "building" : "148", "coord" : [ -73.9806854, 40.7778589 ], "street" : "West 72 Street", "zipcode" : "10023" }, "borough" : "Manhattan", "cuisine" : "Pizza", "grades" : [ { "date" : ISODate("2014-12-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-05-05T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2013-04-05T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-30T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Domino'S Pizza", "restaurant\_id" : "40363945" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1450"), "address" : { "building" : "146", "coord" : [ -73.9736776, 40.7535755 ], "street" : "East 46 Street", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-03-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-07-31T00:00:00Z"), "grade" : "C", "score" : 53 }, { "date" : ISODate("2012-12-19T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-04T00:00:00Z"), "grade" : "C", "score" : 45 }, { "date" : ISODate("2012-01-18T00:00:00Z"), "grade" : "C", "score" : 34 }, { "date" : ISODate("2011-09-28T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2011-05-24T00:00:00Z"), "grade" : "C", "score" : 52 } ], "name" : "Nanni Restaurant", "restaurant\_id" : "40366157" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f147b"), "address" : { "building" : "22-57", "coord" : [ -73.9121201, 40.7749286 ], "street" : "31 Street", "zipcode" : "11105" }, "borough" : "Queens", "cuisine" : "Irish", "grades" : [ { "date" : ISODate("2015-01-07T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-01-28T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-08-05T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-02-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-01-24T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "O'Hanlon'S Pub", "restaurant\_id" : "40367232" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f150d"), "address" : { "building" : "407", "coord" : [ -73.99283419999999, 40.75885830000001 ], "street" : "West 42 Street", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2015-01-15T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2014-06-18T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-04-25T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-11-15T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "West Bank Cafe", "restaurant\_id" : "40371454" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1565"), "address" : { "building" : "1619", "coord" : [ -74.0065917, 40.609992 ], "street" : "86 Street", "zipcode" : "11214" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-17T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-06-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-12-12T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-17T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-06-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-26T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Vegas Diner", "restaurant\_id" : "40375972" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1571"), "address" : { "building" : "345", "coord" : [ -73.9957111, 40.6821943 ], "street" : "Court Street", "zipcode" : "11231" }, "borough" : "Brooklyn", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-09-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-03-31T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-12-29T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-03-29T00:00:00Z"), "grade" : "B", "score" : 21 } ], "name" : "Marco Polo Ristorante", "restaurant\_id" : "40376495" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f15a0"), "address" : { "building" : "12", "coord" : [ -73.9938232, 40.7340887 ], "street" : "East 12 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-09T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-07-01T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-02-06T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-12-30T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-09-19T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Gotham Bar & Grill", "restaurant\_id" : "40379304" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f15a9"), "address" : { "building" : "155", "coord" : [ -73.9703093, 40.7575104 ], "street" : "East 52 Street", "zipcode" : "10022" }, "borough" : "Manhattan", "cuisine" : "Japanese", "grades" : [ { "date" : ISODate("2013-12-09T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-13T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Restuarant Nippon", "restaurant\_id" : "40379746" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13e2"), "address" : { "building" : "195", "coord" : [ -73.9246028, 40.6522396 ], "street" : "East 56 Street", "zipcode" : "11203" }, "borough" : "Brooklyn", "cuisine" : "Caribbean", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13e5"), "address" : { "building" : "56", "coord" : [ -73.991495, 40.692273 ], "street" : "Court Street", "zipcode" : "11201" }, "borough" : "Brooklyn", "cuisine" : "Donuts", "grades" : [ { "date" : ISODate("2014-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-01-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-01-19T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Dunkin' Donuts", "restaurant\_id" : "40363098" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13fc"), "address" : { "building" : "94", "coord" : [ -74.0061936, 40.7092038 ], "street" : "Fulton Street", "zipcode" : "10038" }, "borough" : "Manhattan", "cuisine" : "Chicken", "grades" : [ { "date" : ISODate("2015-01-06T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-07-15T00:00:00Z"), "grade" : "C", "score" : 48 }, { "date" : ISODate("2013-05-02T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-24T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-04-19T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Texas Rotisserie", "restaurant\_id" : "40364304" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1419"), "address" : { "building" : "30-13", "coord" : [ -73.9151096, 40.763377 ], "street" : "Steinway Street", "zipcode" : "11103" }, "borough" : "Queens", "cuisine" : "Pizza", "grades" : [ { "date" : ISODate("2014-10-06T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-01-17T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Rizzo'S Fine Pizza", "restaurant\_id" : "40364920" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1448"), "address" : { "building" : "21", "coord" : [ -73.9990337, 40.7143954 ], "street" : "Mott Street", "zipcode" : "10013" }, "borough" : "Manhattan", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-07-28T00:00:00Z"), "grade" : "B", "score" : 27 }, { "date" : ISODate("2013-11-19T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2013-04-30T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-10-16T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2012-05-07T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Hop Kee Restaurant", "restaurant\_id" : "40365942" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1496"), "address" : { "building" : "17", "coord" : [ -74.00259299999999, 40.7324849 ], "street" : "Barrow Street", "zipcode" : "10014" }, "borough" : "Manhattan", "cuisine" : "Seafood", "grades" : [ { "date" : ISODate("2014-08-19T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-02T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "One If By Land Two If By Sea", "restaurant\_id" : "40367797" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1509"), "address" : { "building" : "312", "coord" : [ -73.9832993, 40.76754440000001 ], "street" : "West 58 Street", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-01T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-17T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-03-21T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-11-15T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-06-15T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Coliseum Bar Restaurant", "restaurant\_id" : "40371281" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f151c"), "address" : { "building" : "605", "coord" : [ -74.0060152, 40.7372653 ], "street" : "Hudson Street", "zipcode" : "10014" }, "borough" : "Manhattan", "cuisine" : "French", "grades" : [ { "date" : ISODate("2014-06-30T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-05-20T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-12-11T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "La Ripaille Restaurant", "restaurant\_id" : "40372262" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1406"), "address" : { "building" : "62", "coord" : [ -74.00310999999999, 40.7348888 ], "street" : "Charles Street", "zipcode" : "10014" }, "borough" : "Manhattan", "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)", "grades" : [ { "date" : ISODate("2014-05-02T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-20T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-05-24T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-01-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-10-03T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Seville Restaurant", "restaurant\_id" : "40364439" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1420"), "address" : { "building" : "93", "coord" : [ -73.99950489999999, 40.7169224 ], "street" : "Baxter Street", "zipcode" : "10013" }, "borough" : "Manhattan", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-12-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-12-06T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-10-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-04T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-01-12T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Forlinis Restaurant", "restaurant\_id" : "40365098" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1462"), "address" : { "building" : "71-24", "coord" : [ -73.8221418, 40.7272376 ], "street" : "Main Street", "zipcode" : "11367" }, "borough" : "Queens", "cuisine" : "Jewish/Kosher", "grades" : [ { "date" : ISODate("2014-05-07T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-04T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2013-03-21T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-05-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-01T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Shimons Kosher Pizza", "restaurant\_id" : "40366586" }

Type "it" for more

db.addresses.find({"address.street": {$ne: {$regex: /Street/}}})

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13c6"), "address" : { "building" : "469", "coord" : [ -73.961704, 40.662942 ], "street" : "Flatbush Avenue", "zipcode" : "11225" }, "borough" : "Brooklyn", "cuisine" : "Hamburgers", "grades" : [ { "date" : ISODate("2014-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-07-01T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2013-04-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-08T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13ee"), "address" : { "building" : "87-69", "coord" : [ -73.8309503, 40.7001121 ], "street" : "Lefferts Boulevard", "zipcode" : "11418" }, "borough" : "Queens", "cuisine" : "American ", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d6"), "address" : { "building" : "6909", "coord" : [ -74.0259567, 40.6353674 ], "street" : "3 Avenue", "zipcode" : "11209" }, "borough" : "Brooklyn", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-08-21T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2014-03-05T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-01-10T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13d1"), "address" : { "building" : "1269", "coord" : [ -73.871194, 40.6730975 ], "street" : "Sutter Avenue", "zipcode" : "11208" }, "borough" : "Brooklyn", "cuisine" : "Chinese", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13f2"), "address" : { "building" : "1031", "coord" : [ -73.9075537, 40.6438684 ], "street" : "East 92 Street", "zipcode" : "11236" }, "borough" : "Brooklyn", "cuisine" : "American ", "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" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f13f5"), "address" : { "building" : "148", "coord" : [ -73.9806854, 40.7778589 ], "street" : "West 72 Street", "zipcode" : "10023" }, "borough" : "Manhattan", "cuisine" : "Pizza", "grades" : [ { "date" : ISODate("2014-12-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-05-05T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2013-04-05T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-30T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Domino'S Pizza", "restaurant\_id" : "40363945" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1413"), "address" : { "building" : ".1-A", "coord" : [ -48.9424, -16.3550032 ], "street" : "East 77 St", "zipcode" : "10021" }, "borough" : "Manhattan", "cuisine" : "Continental", "grades" : [ { "date" : ISODate("2014-11-24T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-04-03T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2012-10-02T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-25T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Dining Room", "restaurant\_id" : "40364691" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1450"), "address" : { "building" : "146", "coord" : [ -73.9736776, 40.7535755 ], "street" : "East 46 Street", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-03-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-07-31T00:00:00Z"), "grade" : "C", "score" : 53 }, { "date" : ISODate("2012-12-19T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-04T00:00:00Z"), "grade" : "C", "score" : 45 }, { "date" : ISODate("2012-01-18T00:00:00Z"), "grade" : "C", "score" : 34 }, { "date" : ISODate("2011-09-28T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2011-05-24T00:00:00Z"), "grade" : "C", "score" : 52 } ], "name" : "Nanni Restaurant", "restaurant\_id" : "40366157" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1458"), "address" : { "building" : "1118", "coord" : [ -73.960573, 40.760982 ], "street" : "1 Avenue", "zipcode" : "10065" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-09-24T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-09-06T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-03-20T00:00:00Z"), "grade" : "C", "score" : 36 }, { "date" : ISODate("2012-04-13T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Dangerfield'S Night Club", "restaurant\_id" : "40366381" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f146f"), "address" : { "building" : "12402", "coord" : [ -73.82629709999999, 40.700598 ], "street" : "Jamaica Avenue", "zipcode" : "11418" }, "borough" : "Queens", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-06-27T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-06-20T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-01-17T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-12-27T00:00:00Z"), "grade" : "P", "score" : 6 }, { "date" : ISODate("2011-12-22T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Little Brown Jug", "restaurant\_id" : "40366929" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f147b"), "address" : { "building" : "22-57", "coord" : [ -73.9121201, 40.7749286 ], "street" : "31 Street", "zipcode" : "11105" }, "borough" : "Queens", "cuisine" : "Irish", "grades" : [ { "date" : ISODate("2015-01-07T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-01-28T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-08-05T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-02-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-01-24T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "O'Hanlon'S Pub", "restaurant\_id" : "40367232" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f148a"), "address" : { "building" : "42-01", "coord" : [ -73.911784, 40.764766 ], "street" : "28 Avenue", "zipcode" : "11103" }, "borough" : "Queens", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-12-18T00:00:00Z"), "grade" : "Z", "score" : 26 }, { "date" : ISODate("2014-04-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-09-16T00:00:00Z"), "grade" : "C", "score" : 28 }, { "date" : ISODate("2013-02-05T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-08-22T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-30T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Piccola Venezia", "restaurant\_id" : "40367540" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1490"), "address" : { "building" : "16103", "coord" : [ -73.83856999999999, 40.655669 ], "street" : "Crossbay Boulevard", "zipcode" : "11414" }, "borough" : "Queens", "cuisine" : "Seafood", "grades" : [ { "date" : ISODate("2014-10-29T00:00:00Z"), "grade" : "B", "score" : 16 }, { "date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-08-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-04-25T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Lenny'S Clam Bar", "restaurant\_id" : "40367749" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f149c"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Terrace Cafe", "restaurant\_id" : "40368018" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14d6"), "address" : { "building" : "846", "coord" : [ -73.9321666, 40.6632351 ], "street" : "Empire Boulevard", "zipcode" : "11213" }, "borough" : "Brooklyn", "cuisine" : "Hamburgers", "grades" : [ { "date" : ISODate("2014-03-06T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-01T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-03-03T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2011-03-17T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "White Castle", "restaurant\_id" : "40369667" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f14fc"), "address" : { "building" : "2901", "coord" : [ -73.792701, 40.7702099 ], "street" : "Francis Lewis Boulevard", "zipcode" : "11358" }, "borough" : "Queens", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-09-24T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-03-12T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-11-09T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Divers Cove", "restaurant\_id" : "40370519" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f150d"), "address" : { "building" : "407", "coord" : [ -73.99283419999999, 40.75885830000001 ], "street" : "West 42 Street", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2015-01-15T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2014-06-18T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-04-25T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-11-15T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "West Bank Cafe", "restaurant\_id" : "40371454" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f150f"), "address" : { "building" : "255-09", "coord" : [ -73.734425, 40.7723579 ], "street" : "Northern Boulevard", "zipcode" : "11362" }, "borough" : "Queens", "cuisine" : "French", "grades" : [ { "date" : ISODate("2014-02-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-06-28T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-06-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-06-16T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "La Baraka Restaurant", "restaurant\_id" : "40371614" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1559"), "address" : { "building" : "82-07", "coord" : [ -73.8520417, 40.6666793 ], "street" : "153 Avenue", "zipcode" : "11414" }, "borough" : "Queens", "cuisine" : "Pizza", "grades" : [ { "date" : ISODate("2014-03-27T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-03-21T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-09-06T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "La Villa De Pizza & Restaurant", "restaurant\_id" : "40375286" }

{ "\_id" : ObjectId("60e84b2546a40c6ba30f1565"), "address" : { "building" : "1619", "coord" : [ -74.0065917, 40.609992 ], "street" : "86 Street", "zipcode" : "11214" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-17T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-06-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-12-12T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-17T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-06-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-26T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Vegas Diner", "restaurant\_id" : "40375972" }

Type "it" for more

**29. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.**

db.addresses.find({"address.coord": {$type: "double"}}, {\_id:0, address:1})

{ "address" : { "building" : "469", "coord" : [ -73.961704, 40.662942 ], "street" : "Flatbush Avenue", "zipcode" : "11225" } }

{ "address" : { "building" : "87-69", "coord" : [ -73.8309503, 40.7001121 ], "street" : "Lefferts Boulevard", "zipcode" : "11418" } }

{ "address" : { "building" : "6909", "coord" : [ -74.0259567, 40.6353674 ], "street" : "3 Avenue", "zipcode" : "11209" } }

{ "address" : { "building" : "1269", "coord" : [ -73.871194, 40.6730975 ], "street" : "Sutter Avenue", "zipcode" : "11208" } }

{ "address" : { "building" : "1031", "coord" : [ -73.9075537, 40.6438684 ], "street" : "East 92 Street", "zipcode" : "11236" } }

{ "address" : { "building" : "148", "coord" : [ -73.9806854, 40.7778589 ], "street" : "West 72 Street", "zipcode" : "10023" } }

{ "address" : { "building" : ".1-A", "coord" : [ -48.9424, -16.3550032 ], "street" : "East 77 St", "zipcode" : "10021" } }

{ "address" : { "building" : "146", "coord" : [ -73.9736776, 40.7535755 ], "street" : "East 46 Street", "zipcode" : "10017" } }

{ "address" : { "building" : "1118", "coord" : [ -73.960573, 40.760982 ], "street" : "1 Avenue", "zipcode" : "10065" } }

{ "address" : { "building" : "12402", "coord" : [ -73.82629709999999, 40.700598 ], "street" : "Jamaica Avenue", "zipcode" : "11418" } }

{ "address" : { "building" : "22-57", "coord" : [ -73.9121201, 40.7749286 ], "street" : "31 Street", "zipcode" : "11105" } }

{ "address" : { "building" : "42-01", "coord" : [ -73.911784, 40.764766 ], "street" : "28 Avenue", "zipcode" : "11103" } }

{ "address" : { "building" : "16103", "coord" : [ -73.83856999999999, 40.655669 ], "street" : "Crossbay Boulevard", "zipcode" : "11414" } }

{ "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" } }

{ "address" : { "building" : "846", "coord" : [ -73.9321666, 40.6632351 ], "street" : "Empire Boulevard", "zipcode" : "11213" } }

{ "address" : { "building" : "2901", "coord" : [ -73.792701, 40.7702099 ], "street" : "Francis Lewis Boulevard", "zipcode" : "11358" } }

{ "address" : { "building" : "407", "coord" : [ -73.99283419999999, 40.75885830000001 ], "street" : "West 42 Street", "zipcode" : "10036" } }

{ "address" : { "building" : "255-09", "coord" : [ -73.734425, 40.7723579 ], "street" : "Northern Boulevard", "zipcode" : "11362" } }

{ "address" : { "building" : "82-07", "coord" : [ -73.8520417, 40.6666793 ], "street" : "153 Avenue", "zipcode" : "11414" } }

{ "address" : { "building" : "1619", "coord" : [ -74.0065917, 40.609992 ], "street" : "86 Street", "zipcode" : "11214" } }

Type "it" for more

**30**. **Write a MongoDB query which will select the restaurant id name and grades for those restaurants which returns 0 as a remainder after dividing the score by 7.**

db.addresses.find({"grades": {$elemMatch: {"score": {$mod: [7,0]}}}},{\_id:0, restaurant\_id:1, name:1, grades:1})

{ "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("2014-09-16T00:00:00Z"), "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("2014-02-05T00:00:00Z"), "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("2014-12-18T00:00:00Z"), "grade" : "Z", "score" : 26 }, { "date" : ISODate("2014-04-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-09-16T00:00:00Z"), "grade" : "C", "score" : 28 }, { "date" : ISODate("2013-02-05T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-08-22T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-30T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Piccola Venezia", "restaurant\_id" : "40367540" }

{ "grades" : [ { "date" : ISODate("2014-10-29T00:00:00Z"), "grade" : "B", "score" : 16 }, { "date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-08-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-04-25T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Lenny'S Clam Bar", "restaurant\_id" : "40367749" }

{ "grades" : [ { "date" : ISODate("2014-03-06T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-01T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-03-03T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2011-03-17T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "White Castle", "restaurant\_id" : "40369667" }

{ "grades" : [ { "date" : ISODate("2014-09-24T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-03-12T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-11-09T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Divers Cove", "restaurant\_id" : "40370519" }

{ "grades" : [ { "date" : ISODate("2015-01-15T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2014-06-18T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-04-25T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-11-15T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "West Bank Cafe", "restaurant\_id" : "40371454" }

{ "grades" : [ { "date" : ISODate("2014-03-27T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-03-21T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-09-06T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "La Villa De Pizza & Restaurant", "restaurant\_id" : "40375286" }

{ "grades" : [ { "date" : ISODate("2014-12-17T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-06-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-12-12T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-17T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-06-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-26T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Vegas Diner", "restaurant\_id" : "40375972" }

{ "grades" : [ { "date" : ISODate("2014-09-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-03-31T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-12-29T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-03-29T00:00:00Z"), "grade" : "B", "score" : 21 } ], "name" : "Marco Polo Ristorante", "restaurant\_id" : "40376495" }

{ "grades" : [ { "date" : ISODate("2013-12-09T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-13T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Restuarant Nippon", "restaurant\_id" : "40379746" }

{ "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("2015-01-06T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-07-15T00:00:00Z"), "grade" : "C", "score" : 48 }, { "date" : ISODate("2013-05-02T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-24T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-04-19T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Texas Rotisserie", "restaurant\_id" : "40364304" }

{ "grades" : [ { "date" : ISODate("2014-09-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-05-16T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-10-30T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-06-05T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-04T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Ihop", "restaurant\_id" : "40366833" }

{ "grades" : [ { "date" : ISODate("2014-07-03T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-08T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-02-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-08-14T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2011-08-23T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Lulu'S Coffee Shop", "restaurant\_id" : "40366938" }

{ "grades" : [ { "date" : ISODate("2014-08-19T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-02T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "One If By Land Two If By Sea", "restaurant\_id" : "40367797" }

{ "grades" : [ { "date" : ISODate("2014-09-09T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-04-14T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2013-10-15T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-18T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-05-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-10-21T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Viand Coffee Shop", "restaurant\_id" : "40369016" }

{ "grades" : [ { "date" : ISODate("2014-03-25T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-22T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-03-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-04-14T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "White Castle", "restaurant\_id" : "40369675" }

{ "grades" : [ { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-08-15T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-08T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-06-20T00:00:00Z"), "grade" : "B", "score" : 16 }, { "date" : ISODate("2011-12-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-07-28T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-02-24T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Nectar Coffee Shop", "restaurant\_id" : "40369759" }

Type "it" for more

**31. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and cuisine for those restaurants which contains 'mon' as three letters somewhere in its name.**

db.addresses.find({name:/.\*mon.\*/}, {name:1,borough:1,cuisine:1,"address.coord":1,\_id:0})

{ "address" : { "coord" : [ -73.8221418, 40.7272376 ] }, "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Shimons Kosher Pizza" }

{ "address" : { "coord" : [ -73.951199, 40.7166026 ] }, "borough" : "Brooklyn", "cuisine" : "Italian", "name" : "Bamonte'S Restaurant" }

{ "address" : { "coord" : [ -73.98306099999999, 40.7441419 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Desmond'S Tavern" }

{ "address" : { "coord" : [ -73.9901605, 40.7526176 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico'S Kitchen" }

{ "address" : { "coord" : [ -73.924072, 40.76108900000001 ] }, "borough" : "Queens", "cuisine" : "Greek", "name" : "Omonia Cafe" }

{ "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" : [ -73.9707505, 40.7635651 ] }, "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Delmonico Gourmet" }

{ "address" : { "coord" : [ -73.97198209999999, 40.764464 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Harmonie Club" }

{ "address" : { "coord" : [ -73.9760637, 40.7508686 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico Gourmet" }

{ "address" : { "coord" : [ -74.028486, 40.630438 ] }, "borough" : "Brooklyn", "cuisine" : "Mediterranean", "name" : "Omonia Cafe" }

{ "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" : [ -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" : [ -73.9640299, 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" : [ -73.8706606, 40.7342757 ] }, "borough" : "Queens", "cuisine" : "American ", "name" : "Cinnabon World Famous Cinnamon Rolls" }

{ "address" : { "coord" : [ -74.112758, 40.5833299 ] }, "borough" : "Staten Island", "cuisine" : "American ", "name" : "Richmond County Country Club" }

Type "it" for more

**32. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and cuisine for those restaurants which contain 'Mad' as first three letters of its name.**

db.addresses.find({name:/^Mad/}, {name:1,borough:1,cuisine:1,"address.coord":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" : [ -73.98171959999999, 40.7499406 ] }, "borough" : "Manhattan", "cuisine" : "French", "name" : "Madison Bistro" }

{ "address" : { "coord" : [ -74.000002, 40.72735 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Madame X" }

{ "address" : { "coord" : [ -73.9717845, 40.6897199 ] }, "borough" : "Brooklyn", "cuisine" : "African", "name" : "Madiba" }

{ "address" : { "coord" : [ -73.9886598, 40.7565811 ] }, "borough" : "Manhattan", "cuisine" : "Hotdogs", "name" : "Madame Tussaud'S" }

{ "address" : { "coord" : [ -73.9040753, 40.9069011 ] }, "borough" : "Bronx", "cuisine" : "Italian", "name" : "Madison'S" }

{ "address" : { "coord" : [ -73.95623719999999, 40.7761697 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Mad River Bar & Grille" }