11. Write a MongoDB query to find the restaurants that do not prepare any cuisine of 'American' and their grade score more than 70 and latitude less than -65.754168.

Query:

db.restaurants.find(

{$and:

[

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

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

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

]

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1cfb"), "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("62470cd50c6cdc3eaf4c1e5e"), "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("62470cd50c6cdc3eaf4c1e69"), "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("62470cd50c6cdc3eaf4c1fb9"), "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("62470cd60c6cdc3eaf4c25e3"), "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 restaurants which do not prepare any cuisine of 'American' and achieved a score more than 70 and located in the longitude less than -65.754168.

Note : Do this query without using $and operator.

Query:

db.restaurants.find(

{

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

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

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

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1cfb"), "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("62470cd50c6cdc3eaf4c1e5e"), "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("62470cd50c6cdc3eaf4c1e69"), "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("62470cd50c6cdc3eaf4c1fb9"), "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("62470cd60c6cdc3eaf4c25e3"), "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.

Query:

db.restaurants.find( {

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

"grades.grade" :"A",

"borough": {$ne : "Brooklyn"}

}

).sort({"cuisine":-1})

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c2208"), "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("62470cd50c6cdc3eaf4c22c1"), "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("62470cd60c6cdc3eaf4c26aa"), "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("62470cd50c6cdc3eaf4c1dac"), "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("62470cd50c6cdc3eaf4c1f61"), "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("62470cd50c6cdc3eaf4c20c9"), "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("62470cd50c6cdc3eaf4c2169"), "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("62470cd60c6cdc3eaf4c240a"), "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("62470cd60c6cdc3eaf4c2430"), "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("62470cd60c6cdc3eaf4c28b8"), "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("62470cd50c6cdc3eaf4c1b18"), "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("62470cd50c6cdc3eaf4c1f73"), "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("62470cd50c6cdc3eaf4c2203"), "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("62470cd50c6cdc3eaf4c2207"), "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("62470cd60c6cdc3eaf4c239c"), "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("62470cd60c6cdc3eaf4c24ac"), "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("62470cd60c6cdc3eaf4c2696"), "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("62470cd60c6cdc3eaf4c27c3"), "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("62470cd50c6cdc3eaf4c1c7b"), "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("62470cd50c6cdc3eaf4c1e43"), "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.

Query:

db.restaurants.find(

{name: /^Wil/},

{

"restaurant\_id" : 1,

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

"cuisine" :1

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b03"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b06"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("62470cd60c6cdc3eaf4c290b"), "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.

Query:

db.restaurants.find(

{name: /ces$/},

{

"restaurant\_id" : 1,

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

"cuisine" :1

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1f8f"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Pieces", "restaurant\_id" : "40399910" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c204e"), "borough" : "Queens", "cuisine" : "American ", "name" : "S.M.R Restaurant Services", "restaurant\_id" : "40403857" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c2054"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Good Shepherd Services", "restaurant\_id" : "40403989" }

{ "\_id" : ObjectId("62470cd60c6cdc3eaf4c2507"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "The Ice Box-Ralph'S Famous Italian Ices", "restaurant\_id" : "40690899" }

{ "\_id" : ObjectId("62470cd60c6cdc3eaf4c2709"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Alices", "restaurant\_id" : "40782042" }

{ "\_id" : ObjectId("62470cd60c6cdc3eaf4c2925"), "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.

Query:

db.restaurants.find(

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

{

"restaurant\_id" : 1,

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

"cuisine" :1

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b04"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1c01"), "borough" : "Manhattan", "cuisine" : "Café/Coffee/Tea", "name" : "Caffe Reggio", "restaurant\_id" : "40369418" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1d10"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regency Hotel", "restaurant\_id" : "40382679" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c202d"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regency Whist Club", "restaurant\_id" : "40402377" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c2110"), "borough" : "Queens", "cuisine" : "American ", "name" : "Rego Park Cafe", "restaurant\_id" : "40523342" }

{ "\_id" : ObjectId("62470cd60c6cdc3eaf4c277e"), "borough" : "Queens", "cuisine" : "Pizza", "name" : "Regina Pizza", "restaurant\_id" : "40801325" }

{ "\_id" : ObjectId("62470cd60c6cdc3eaf4c2995"), "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.

Query:

db.restaurants.find(

{

"borough": "Bronx" ,

$or : [

{ "cuisine" : "American " },

{ "cuisine" : "Chinese" }

]

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b06"), "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("62470cd50c6cdc3eaf4c1b1f"), "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("62470cd50c6cdc3eaf4c1b31"), "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("62470cd50c6cdc3eaf4c1b39"), "address" : { "building" : "658", "coord" : [ -73.81363999999999, 40.82941100000001 ], "street" : "Clarence Ave", "zipcode" : "10465" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-21T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-07-11T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Manhem Club", "restaurant\_id" : "40364363" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b51"), "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("62470cd50c6cdc3eaf4c1b69"), "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("62470cd50c6cdc3eaf4c1b95"), "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("62470cd50c6cdc3eaf4c1ba0"), "address" : { "building" : "21", "coord" : [ -73.9168424, 40.8401362 ], "street" : "East 170 Street", "zipcode" : "10452" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-16T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2014-08-12T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2013-08-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-02-13T00:00:00Z"), "grade" : "B", "score" : 16 } ], "name" : "Munchtime", "restaurant\_id" : "40366748" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bad"), "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" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bd5"), "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("62470cd50c6cdc3eaf4c1bd6"), "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" : 11 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "Beaver Pond", "restaurant\_id" : "40368025" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bd7"), "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" : 5 }, { "date" : ISODate("2013-05-28T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2011-06-07T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "African Market (Baboon Cafe)", "restaurant\_id" : "40368026" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bf7"), "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("62470cd50c6cdc3eaf4c1c09"), "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("62470cd50c6cdc3eaf4c1c1b"), "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("62470cd50c6cdc3eaf4c1c25"), "address" : { "building" : "4272", "coord" : [ -73.86720489999999, 40.8977501 ], "street" : "Katonah Avenue", "zipcode" : "10470" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-23T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-11-04T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-04-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-09-24T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "John Mulligan'S Fireside Pub", "restaurant\_id" : "40370150" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1c7f"), "address" : { "building" : "2942", "coord" : [ -73.832183, 40.84710099999999 ], "street" : "Westchester Avenue", "zipcode" : "10461" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-10T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-17T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2012-10-15T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2011-10-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-07-14T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Quality Cafe & Restaurant", "restaurant\_id" : "40374259" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1ce9"), "address" : { "building" : "3657", "coord" : [ -73.901496, 40.885102 ], "street" : "Kingsbridge Avenue", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-09-25T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-04-30T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2013-08-19T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-03-06T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-10-19T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Riverdale Diner", "restaurant\_id" : "40380253" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1d0e"), "address" : { "building" : "1506", "coord" : [ -73.8537226, 40.8427071 ], "street" : "Bronxdale Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-12-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "B", "score" : 16 }, { "date" : ISODate("2011-12-28T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-08-10T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Castlehill Diner", "restaurant\_id" : "40382517" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1d2a"), "address" : { "building" : "5977", "coord" : [ -73.8982704, 40.8896923 ], "street" : "Broadway", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-30T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-04-25T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-30T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-12-19T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Short Stop Restaurant", "restaurant\_id" : "40383819" }

Type "it" for more

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 Bronxor Brooklyn.

Query:

db.restaurants.find(

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

{

"restaurant\_id" : 1,

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

"cuisine" :1

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1afc"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1afd"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1aff"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b00"), "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b01"), "borough" : "Queens", "cuisine" : "American ", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b02"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b03"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b04"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b05"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b06"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b07"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b08"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b0a"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant\_id" : "40360045" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b0b"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b0c"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b0d"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b0f"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b10"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b12"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Steve Chu'S Deli & Grocery", "restaurant\_id" : "40361998" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b16"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant\_id" : "40362344" }

Type "it" for mor

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 Bronxor Brooklyn.

Query:

db.restaurants.find(

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

{

"restaurant\_id" : 1,

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

"cuisine" :1

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1afe"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b09"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b0e"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b11"), "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b13"), "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Harriet'S Kitchen", "restaurant\_id" : "40362098" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b14"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "P & S Deli Grocery", "restaurant\_id" : "40362264" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b15"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Angelika Film Center", "restaurant\_id" : "40362274" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b18"), "borough" : "Manhattan", "cuisine" : "Turkish", "name" : "The Country Cafe", "restaurant\_id" : "40362715" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b1a"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Downtown Deli", "restaurant\_id" : "40363021" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b1e"), "borough" : "Manhattan", "cuisine" : "Bakery", "name" : "Olive'S", "restaurant\_id" : "40363151" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b20"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Cafe Metro", "restaurant\_id" : "40363298" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b22"), "borough" : "Manhattan", "cuisine" : "Sandwiches/Salads/Mixed Buffet", "name" : "Lexler Deli", "restaurant\_id" : "40363426" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b26"), "borough" : "Manhattan", "cuisine" : "Continental", "name" : "Lorenzo & Maria'S", "restaurant\_id" : "40363630" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b27"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant\_id" : "40363644" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b28"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Berkely", "restaurant\_id" : "40363685" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b2c"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant\_id" : "40363945" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b2d"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Spoon Bread Catering", "restaurant\_id" : "40364179" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b33"), "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Texas Rotisserie", "restaurant\_id" : "40364304" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b36"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Metropolitan Club", "restaurant\_id" : "40364347" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b37"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Palm Restaurant", "restaurant\_id" : "40364355" }

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.

Query:

db.restaurants.find(

{"grades.score" :

{ $not:

{$gt : 10}

}

},

{

"restaurant\_id" : 1,

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

"cuisine" :1

}

);

Output:

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b07"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b09"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b0d"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b16"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant\_id" : "40362344" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b29"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Sonny'S Heros", "restaurant\_id" : "40363744" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b39"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Manhem Club", "restaurant\_id" : "40364363" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b47"), "borough" : "Staten Island", "cuisine" : "American ", "name" : "Great Kills Yacht Club", "restaurant\_id" : "40364610" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b4e"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Serendipity 3", "restaurant\_id" : "40364863" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b52"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "White Horse Tavern", "restaurant\_id" : "40364958" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1b5b"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dorrian'S Red Hand Restaurant", "restaurant\_id" : "40365239" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bac"), "borough" : "Manhattan", "cuisine" : "Mexican", "name" : "Mexico Lindo Restaurant", "restaurant\_id" : "40367038" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bcc"), "borough" : "Brooklyn", "cuisine" : "Greek", "name" : "El Greco Diner", "restaurant\_id" : "40367795" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bd2"), "borough" : "Bronx", "cuisine" : "Not Listed/Not Applicable", "name" : "The Lark'S Nest", "restaurant\_id" : "40367946" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bd3"), "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "name" : "Terrace Cafe", "restaurant\_id" : "40368018" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bd4"), "borough" : "Bronx", "cuisine" : "African", "name" : "African Terrace", "restaurant\_id" : "40368021" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bd7"), "borough" : "Bronx", "cuisine" : "American ", "name" : "African Market (Baboon Cafe)", "restaurant\_id" : "40368026" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bd8"), "borough" : "Staten Island", "cuisine" : "Italian", "name" : "Roadhouse Restaurant", "restaurant\_id" : "40368034" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1bfa"), "borough" : "Manhattan", "cuisine" : "French", "name" : "Pergola Des Artistes", "restaurant\_id" : "40369139" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1c06"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Mcdonald'S", "restaurant\_id" : "40369535" }

{ "\_id" : ObjectId("62470cd50c6cdc3eaf4c1c0a"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The River Cafe", "restaurant\_id" : "40369608" }

Type "it" for more