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

A)

```
>db.restaurants.find();
{"_id" : ObjectId("564c2d939eb21ad392f175c9"), "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("2011-12-29T00:0
0:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Dj Reynolds Pub And
Restaurant", "restaurant_id" : "30191841" }
{ "_id" : ObjectId("564c2d939eb21ad392f175ca"), "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"), "gra
de" : "A", "score" : 9 }, { "date" : ISODate("2011-03-10T00:00:00Z"), "grade" :
"B", "score" : 14 } ], "name" : "Morris Park Bake Shop", "restaurant_id" :
"30075445" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cb"), "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("564c2d939eb21ad392f175cc"), "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("564c2d939eb21ad392f175cd"), "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" } etc....
```

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

```
>db.restaurant.find({},{restaurant_id:1,name:1,borough:1,cuisine:1
})
{ "_id" : ObjectId("564c2d939eb21ad392f175c9"), "borough" :
"Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And
Restaurant", "restaurant_id" : "30191841" }
{ "_id" : ObjectId("564c2d939eb21ad392f175ca"), "borough" :
"Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop",
"restaurant_id" : "30075445" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cb"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer",
"restaurant_id" : "40356018" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cc"), "borough" :
"Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S",
"restaurant_id" : "30112340" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cd"), "borough" :
"Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher
Kitchen", "restaurant_id" : "40356068" }
{ "_id" : ObjectId("564c2d939eb21ad392f175ce"), "borough" :
"Queens", "cuisine" : "American ", "name" : "Brunos On The
Boulevard", "restaurant_id" : "40356151" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cf"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers",
"restaurant_id" : "40356649" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d0"), "borough" :
"Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine
Food", "restaurant_id" : "40356483" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d1"), "borough" :
"Bronx", "cuisine" : "American ", "name" : "Wild Asia",
"restaurant_id" : "40357217" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d2"), "borough" :
"Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name"
: "Taste The Tropics Ice Cream", "restaurant_id" : "40356731" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d3"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "C & C Catering
Service", "restaurant_id" : "40357437" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d4"), "borough" :
"Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen",
"restaurant_id" : "40358429" }
{ "_id":ObjectId("564c2d939eb21ad392f175d5"),"borough" :"it"etc....
```

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.resaurant.find({},{_id:1,restaurant_id:1,name:1,borough:1,cuisine:1})
{ "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj
Reynolds Pub And Restaurant", "restaurant_id" : "30191841" }
{ "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park
Bake Shop", "restaurant_id" : "30075445" }
{ "borough" : "Brooklyn", "cuisine" : "American ", "name" :
"Riviera Caterer", "restaurant_id" : "40356018" }
{ "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" :
"Wendy'S", "restaurant_id" : "30112340" }
{ "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" : "Brooklyn", "cuisine" : "American ", "name" :
"Regina Caterers", "restaurant_id" : "40356649" }
{ "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" :
"Wilken'S Fine Food", "restaurant_id" : "40356483" }
{ "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild
Asia", "restaurant_id" : "40357217" }
{ "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt,
Ices", "name" : "Taste The Tropics Ice Cream", "restaurant_id" :
"40356731" }
{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C
Catering Service", "restaurant_id" : "40357437" }
{ "borough" : "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" : "Queens", "cuisine" : "Other", "name" : "Laquana
King", "restaurant_id" : "50003441" }
{ "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" : "Brooklyn", "cuisine" : "American ", "name" : "The
```

```
Movable Feast", "restaurant_id" : "40361606" }
{ "borough" :"Manhattan","cuisine" :"American","name" :"Glorious
Food", "restaurant_id" : "40361521" } etc...
```

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.restaurant.find({},{restaurant_id:1,borough:1,name:1,
-id:1,"address.zipcode":1})
{ "address" : { "zipcode" : "10019" }, "borough" : "Manhattan",
"name" : "Dj Reynolds Pub And Restaurant", "restaurant_id" :
"30191841" }
{ "address" : { "zipcode" : "10462" }, "borough" : "Bronx", "name"
: "Morris Park Bake Shop", "restaurant_id" : "30075445" }
{ "address" : { "zipcode" : "11224" }, "borough" : "Brooklyn",
"name" : "Riviera Caterer", "restaurant_id" : "40356018" }
{ "address" : { "zipcode" : "11225" }, "borough" : "Brooklyn",
"name" : "Wendy'S", "restaurant_id" : "30112340" }
{ "address" : { "zipcode" : "11374" }, "borough" : "Queens",
"name" : "Tov Kosher Kitchen", "restaurant_id" : "40356068" }
{ "address" : { "zipcode" : "11369" }, "borough" : "Queens",
"name" : "Brunos On The Boulevard", "restaurant_id" : "40356151" }
{ "address" : { "zipcode" : "11219" }, "borough" : "Brooklyn",
"name" : "Regina Caterers", "restaurant_id" : "40356649" }
{ "address" : { "zipcode" : "11234" }, "borough" : "Brooklyn",
"name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }
{ "address" : { "zipcode" : "10460" }, "borough" : "Bronx", "name"
: "Wild Asia", "restaurant_id" : "40357217" }
{ "address" : { "zipcode" : "11226" }, "borough" : "Brooklyn",
"name" : "Taste The Tropics Ice Cream", "restaurant_id" :
"40356731" }
{ "address" : { "zipcode" : "11214" }, "borough" : "Brooklyn",
"name" : "C & C Catering Service", "restaurant_id" : "40357437" }
{ "address" : { "zipcode" : "11208" }, "borough" : "Brooklyn",
"name" : "May May Kitchen", "restaurant_id" : "40358429" }
{ "address" : { "zipcode" : "10065" }, "borough" : "Manhattan",
"name" : "1 East 66Th Street Kitchen", "restaurant_id" :
"40359480" }
{ "address" : { "zipcode" : "11223" }, "borough" : "Brooklyn",
"name" : "Seuda Foods", "restaurant_id" : "40360045" }
{ "address" : { "zipcode" : "11209" }, "borough" : "Brooklyn",
```

```
"name" : "Nordic Delicacies", "restaurant_id" : "40361390" }
{ "address" : { "zipcode" : "11215" }, "borough" : "Brooklyn",
"name" : "The Movable Feast", "restaurant_id" : "40361606" }
{ "address" : { "zipcode" : "10021" }, "borough" : "Manhattan",
"name" : "Glorious Food", "restaurant_id" : "40361521" } etc....
```

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

```
>db.restaurant.find({borough:"Bronx"})
{ "_id" : ObjectId("564c2d939eb21ad392f175ca"), "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"), "gra
de" : "A", "score" : 9 }, { "date" :
ISODate("2011-03-10T00:00:00Z"), "grade" : "B", "score" : 14 } ],
"name" : "Morris Park Bake Shop", "restaurant_id" : "30075445" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d1"), "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("564c2d939eb21ad392f175e7"), "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" : IS
ODate("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("564c2d939eb21ad392f175ed"), "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", "restaura
nt_id" : "40363289" }
{ "_id" : ObjectId("564c2d939eb21ad392f175fc"), "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("2012-08-29T00:00:0
0Z"), "grade" : "A", "score" : 11 }, { "date" :
ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 13 }],
"name" : "Happy Garden", "restaurant_id" : "40364296" }
{ "_id" : ObjectId("564c2d939eb21ad392f17605"), "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("564c2d939eb21ad392f1761d"), "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("2012-09-20T00:0
0:00Z"), "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("564c2d939eb21ad392f17637"), "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"), "g
rade" : "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("564c2d939eb21ad392f17649"), "address" : {
"building" : "331", "coord" : [-73.87786539999999, 40.8724377],
"street" : "East 204 Street", "zipcode" : "10467" }, "borough" :
"Bronx", "cuisine" : "Irish", "grades" : [{ "date" :
ISODate("2014-08-26T00:00:00Z"), "grade" : "A", "score" : 10 }, {
"date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "B", "score" :
23 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2012-12-18T00:00:0
0Z"), "grade" : "B", "score" : 27 }, { "date" :
ISODate("2011-10-20T00:00:00Z"), "grade" : "A", "score" : 13 }],
"name" : "Mcdwyers Pub", "restaurant_id" : "40365893" }
{ "_id" : ObjectId("564c2d939eb21ad392f17662"), "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("564c2d939eb21ad392f1766b"), "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("564c2d939eb21ad392f1766d"), "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("564c2d939eb21ad392f17673"), "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("564c2d939eb21ad392f17679"), "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("564c2d939eb21ad392f1769d"), "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("564c2d939eb21ad392f1769e"), "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("564c2d939eb21ad392f1769f"), "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", "restaur
ant_id" : "40368018" }
{ "_id" : ObjectId("564c2d939eb21ad392f176a0"), "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("2011-06-08T00:00:00
Z"), "grade" : "A", "score" : 5 }], "name" : "Cool Zone",
"restaurant_id" : "40368022" }
{ "_id" : ObjectId("564c2d939eb21ad392f176a2"), "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("2011-06-08T00:00:00
Z"), "grade" : "A", "score" : 0 } ], "name" : "Beaver Pond",
"restaurant_id" : "40368025" }
{ "_id" : ObjectId("564c2d939eb21ad392f176a3"), "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" }
Type "it" for more
```

6. Write a MongoDB query to display the first 5 restaurant which is in the borough Bronx.

```
>db.restaurant.find({borough:"Bronx"}).limit(5)
{ "_id" : ObjectId("564c2d939eb21ad392f175ca"), "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"), "gra
de" : "A", "score" : 9 }, { "date" :
ISODate("2011-03-10T00:00:00Z"), "grade" : "B", "score" : 14
} ], "name" : "Morris Park Bake Shop", "restaurant_id" :
"30075445" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d1"), "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("564c2d939eb21ad392f175e7"), "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" : IS
ODate("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("564c2d939eb21ad392f175ed"), "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", "restaura
nt_id" : "40363289" }
{ "_id" : ObjectId("564c2d939eb21ad392f175fc"), "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("2012-08-29T00:00:0
0Z"), "grade" : "A", "score" : 11 }, { "date" :
ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 13
}], "name" : "Happy Garden", "restaurant_id" : "40364296" }

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

```
>db.restaurants.find({borough:"Bronx"}).skip(5).limit(5)
{ "_id" : ObjectId("564c2d939eb21ad392f17605"), "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("564c2d939eb21ad392f1761d"), "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("2012-09-20T00:0
0:00Z"), "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("564c2d939eb21ad392f17637"), "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"), "g
rade" : "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("564c2d939eb21ad392f17649"), "address" : {
"building" : "331", "coord" : [ -73.87786539999999, 40.8724377 ],
"street" : "East  204 Street", "zipcode" : "10467" }, "borough" :
"Bronx", "cuisine" : "Irish", "grades" : [ { "date" :
ISODate("2014-08-26T00:00:00Z"), "grade" : "A", "score" : 10 }, {
```

```
"date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "B", "score" :
23 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2012-12-18T00:00:0
0Z"), "grade" : "B", "score" : 27 }, { "date" :
ISODate("2011-10-20T00:00:00Z"), "grade" : "A", "score" : 13 } ],
"name" : "Mcdwyers Pub", "restaurant_id" : "40365893" }
{ "_id" : ObjectId("564c2d939eb21ad392f17662"), "address" : {
"building" : "5820", "coord" : [ -73.9002615, 40.885186 ],
"street" : "Broadway", "zipcode" : "10463" }, "borough" : "Bronx",
"cuisine" : "American ", "grades" : [ { "date" :
ISODate("2014-02-26T00:00:00Z"), "grade" : "A", "score" : 5 }, {
"date" : ISODate("2013-10-09T00:00:00Z"), "grade" : "B", "score" :
19 }, { "date" : ISODate("2013-05-15T00:00:00Z"), "grade" : "A",
"score" : 9 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade"
 : "B", "score" : 18 }, { "date" :
ISODate("2011-10-17T00:00:00Z"), "grade" : "A", "score" : 10 }, {
"date" : ISODate("2011-06-22T00:00:00Z"), "grade" : "C", "score" :
35 } ], "name" : "The Punch Bowl", "restaurant_id" : "40366497" }
```

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

```
>db.restaurants.find({"grades.score":{$gt:90}})
{ "_id" : ObjectId("564c2d939eb21ad392f17726"), "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("564c2d939eb21ad392f177c8"), "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("564c2d939eb21ad392f17929"), "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("564c2d949eb21ad392f1a951"), "address" : {
"building" : "1724", "coord" : [ -73.94981, 40.780043 ], "street"
: "2 Avenue", "zipcode" : "10128" }, "borough" : "Manhattan",
"cuisine" : "Indian", "grades" : [ { "date" :
ISODate("2014-09-25T00:00:00Z"), "grade" : "A", "score" : 7 }, {
"date" : ISODate("2014-03-20T00:00:00Z"), "grade" : "A", "score" :
12 }, { "date" : ISODate("2013-09-09T00:00:00Z"), "grade" : "B",
"score" : 21 }, { "date" : ISODate("2013-03-25T00:00:00Z"),
"grade"
 : "B", "score" : 18 }, { "date" :
ISODate("2012-08-15T00:00:00Z"), "grade" : "A", "score" : 11 }, {
"date" : ISODate("2011-12-23T00:00:00Z"), "grade" : "C", "score" :
98 } ], "name" : "Baluchi'S Indian Food", "restaurant_id" :
"41569277" }
```

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

```
>db.restaurants.find({"grades.score":{$gt:80,$lt:100}})
{ "_id" : ObjectId("564c2d939eb21ad392f177c8"), "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("564c2d939eb21ad392f17929"), "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("564c2d949eb21ad392f18195"), "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" }
{ "_id" : ObjectId("564c2d949eb21ad392f186d3"), "address" : {
"building" : "7705", "coord" : [-73.8878704, 40.7435875],
"street" : "Woodside Avenue", "zipcode" : "11373" }, "borough" :
"Queens", "cuisine" : "Thai", "grades" : [{ "date" :
ISODate("2014-05-12T00:00:00Z"), "grade" : "B", "score" : 14 }, {
"date" : ISODate("2013-11-20T00:00:00Z"), "grade" : "C", "score" :
84 }, { "date" : ISODate("2012-09-18T00:00:00Z"), "grade" : "A",
"score" : 11 }, { "date" : ISODate("2012-05-03T00:00:00Z"), "
grade" : "B", "score" : 23 }], "name" : "Spicy Shallot",
"restaurant_id" : "40979431" }

10. Write a MongoDB query to find the restaurants which locate in latitude value less than -95.754168.

```
>db.restaurants.find({"address.coord.1":{$lt:-95.754168}})
{ "_id" : ObjectId("564c2d949eb21ad392f17c12"), "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("564c2d949eb21ad392f17f7c"), "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"), "gr
ade" : "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("564c2d949eb21ad392f18420"), "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("2011-07-27T00:00:0
0Z"), "grade" : "A", "score" : 2 } ], "name" : "Sports Center At
Chelsea Piers (Sushi Bar)", "restaurant_id" : "40882356" }
{ "_id" : ObjectId("564c2d949eb21ad392f18609"), "address" : {
"building" : "524", "coord" : [ -122.3870832, 37.7606086 ],
"street" : "Beach   20 Street", "zipcode" : "11691" }, "borough" :
"Queens", "cuisine" : "Pizza", "grades" : [ { "date" :
ISODate("2014-09-24T00:00:00Z"), "grade" : "Z", "score" : 15 }, {
"date" : ISODate("2014-05-08T00:00:00Z"), "grade" : "A", "score" :
12 }, { "date" : ISODate("2013-11-04T00:00:00Z"), "grade" : "A",
```

```
"score" : 12 }, { "date" : ISODate("2012-10-09T00:00:00Z")
, "grade" : "A", "score" : 12 }, { "date" :
ISODate("2011-11-01T00:00:00Z"), "grade" : "A", "score" : 12 } ],
"name" : "Domino'S Pizza", "restaurant_id" : "40949724" }
{ "_id" : ObjectId("564c2d949eb21ad392f18698"), "address" : {
"building" : "6822", "coord" : [ -115.2372343, 36.1836718 ],
"street" : "Fresh Meadows Lane", "zipcode" : "11365" }, "borough"
: "Queens", "cuisine" : "Pizza/Italian", "grades" : [ { "date" :
ISODate("2014-03-08T00:00:00Z"), "grade" : "A", "score" : 10 }, {
"date" : ISODate("2013-02-13T00:00:00Z"), "grade" : "A", "score" :
5 }, { "date" : ISODate("2012-07-16T00:00:00Z"), "grade" : "A",
"score" : 9 }, { "date" : ISODate("2011-07-12T00:
00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Angelo & Al'S
Pizzeria", "restaurant_id" : "40969851" }
{ "_id" : ObjectId("564c2d949eb21ad392f18dd5"), "address" : {
"building" : "845", "coord" : [ -120.4599938, 36.8606752 ],
"street" : "U N Plaza", "zipcode" : "10017" }, "borough" :
"Manhattan", "cuisine" : "Japanese", "grades" : [ { "date" :
ISODate("2014-10-02T00:00:00Z"), "grade" : "A", "score" : 11 }, {
"date" : ISODate("2014-03-21T00:00:00Z"), "grade" : "A", "score" :
11 }, { "date" : ISODate("2013-04-16T00:00:00Z"), "grade" : "B",
"score" : 16 }, { "date" : ISODate("2012-05-08T00:00:00Z"),
"grade" : "A", "score" : 13 } ], "name" : "Megu Midtown",
"restaurant_id" : "41167462" } etc..
```

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.

```
>db.restaurant.find({cuisine:{$ne:"American"},"grades.score":{
$gt:70},"address.coord.1":{$lt:-65.754168}})
{ "_id" : ObjectId("564c2d939eb21ad392f177c8"), "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("564c2d939eb21ad392f17929"), "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("564c2d939eb21ad392f17935"), "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",
"sco
re" : 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("564c2d949eb21ad392f17a86"), "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("564c2d949eb21ad392f180b0"), "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.

```
>db.restaurants.find({cuisine:{$ne:"American"},"grades.score":{$gt
:70},"address.coord.0:{$lt:-65.754168}})
{ "_id" : ObjectId("564c2d939eb21ad392f177c8"), "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("564c2d939eb21ad392f17929"), "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("564c2d939eb21ad392f17935"), "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",
"sco
re" : 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("564c2d949eb21ad392f17a86"), "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("564c2d949eb21ad392f1890c"), "address" : {
"building" : "566", "coord" : [-73.987977, 40.75519500000001],
"street" : "7 Avenue", "zipcode" : "10018" }, "borough" :
"Manhattan", "cuisine" : "Chinese", "grades" : [{ "date" :
ISODate("2014-09-23T00:00:00Z"), "grade" : "A", "score" : 7 }, {
"date" : ISODate("2013-11-20T00:00:00Z"), "grade" : "B", "score" :
23 }, { "date" : ISODate("2013-04-29T00:00:00Z"), "grade" : "C",

```
"score" : 77 }, { "date" : ISODate("2012-10-23T00:00:00Z")
, "grade" : "B", "score" : 21 }, { "date" :
ISODate("2012-05-14T00:00:00Z"), "grade" : "B", "score" : 21 }, {
"date" : ISODate("2011-10-26T00:00:00Z"), "grade" : "B", "score" :
23 } ], "name" : "Midtown Buffet", "restaurant_id" : "41038679" }
```

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.restaurants.find({cuisine:{$ne:"American"},"grades.grade":"A",
borough:{$ne:"Brooklyn"}}).sort(cuisine:-1)
{ "_id" : ObjectId("564c2d949eb21ad392f17cd5"), "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("20
12-10-17T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" :
ISODate("2012-05-15T00:00:00Z"), "grade" : "A", "score" : 10 } ],
"name" : "Thai Son", "restaurant_id" : "40559606" }
{ "_id" : ObjectId("564c2d949eb21ad392f17d8e"), "address" : {
"building" : "8278", "coord" : [ -73.8814350999999, 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("564c2d949eb21ad392f18177"), "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("201
3-03-08T00:00:00Z"), "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("564c2d949eb21ad392f1848d"), "address" : {
"building" : "158", "coord" : [ -74.0025903, 40.7443077 ],
"street" : "9 Avenue", "zipcode" : "10011" }, "borough" :
"Manhattan", "cuisine" : "Vietnamese/Cambodian/Malaysia", "grades"
: [ { "date" : ISODate("2014-07-15T00:00:00Z"), "grade" : "A",
"score" : 11 }, { "date" : ISODate("2014-01-14T00:00:00Z"),
"grade" : "A", "score" : 9 }, { "date" :
ISODate("2013-04-16T00:00:00Z"), "grade" : "B", "score" : 18 }, {
"date" : ISODate("2012-0
2-15T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" :
"O-Mai", "restaurant_id" : "40903063" }
{ "_id" : ObjectId("564c2d949eb21ad392f1871f"), "address" : {
"building" : "87", "coord" : [ -73.99961909999999, 40.7167408 ],
"street" : "Baxter Street", "zipcode" : "10013" }, "borough" :
"Manhattan", "cuisine" : "Vietnamese/Cambodian/Malaysia", "grades"
: [ { "date" : ISODate("2015-01-06T00:00:00Z"), "grade" : "A",
"score" : 11 }, { "date" : ISODate("2014-01-23T00:00:00Z"),
"grade" : "A", "score" : 10 }, { "date" :
ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 13 }, {
"date" : ISO
Date("2012-06-05T00:00:00Z"), "grade" : "A", "score" : 10 } ],
"name" : "Nha Trang Restaurant", "restaurant_id" : "40989220" }
```

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.restaurants.find({name:/^Wil/},{_id:1,name:1,borough:1,cuisine
:1}
)
{ "_id" : ObjectId("564c2d939eb21ad392f175d0"), "borough" :
"Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine
Food", "restaurant_id" : "40356483" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d1"), "borough" :
"Bronx", "cuisine" : "American ", "name" : "Wild Asia",
```

"restaurant_id" : "40357217" }
{ "_id" : ObjectId("564c2d949eb21ad392f183d7"), "borough" :
"Bronx", "cuisine" : "Pizza", "name" : "Wilbel Pizza",
"restaurant_id" : "40871979" }
{ "_id" : ObjectId("564c2d949eb21ad392f18528"), "borough" :
"Manhattan", "cuisine" : "Seafood", "name" : "Wild Edibles",
"restaurant_id" : "40928482" }
{ "_id" : ObjectId("564c2d949eb21ad392f19063"), "borough" :
"Brooklyn", "cuisine" : "Bagels/Pretzels", "name" : "Wild Bagels",
"restaurant_id" : "41225826" }
{ "_id" : ObjectId("564c2d949eb21ad392f19140"), "borough" :
"Bronx", "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South
& Central American)", "name" : "Willie'S Steak House",
"restaurant_id" : "41239497" }
{ "_id" : ObjectId("564c2d949eb21ad392f19238"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Willis North
America", "restaurant_id" : "41255267" }
{ "_id" : ObjectId("564c2d949eb21ad392f19239"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "Willburg Cafe",
"restaurant_id" : "41255152" }
{ "_id" : ObjectId("564c2d949eb21ad392f1980a"), "borough" :
"Manhattan", "cuisine" : "Café/Coffee/Tea", "name" : "William
Greenberg Jr Desserts", "restaurant_id" : "41353639" }
{ "_id" : ObjectId("564c2d949eb21ad392f198fa"), "borough" :
"Brooklyn", "cuisine" : "Vegetarian", "name" : "Wild Ginger Vegan
Cafe", "restaurant_id" : "41369777" }
{ "_id" : ObjectId("564c2d949eb21ad392f19930"), "borough" :
"Manhattan", "cuisine" : "Irish", "name" : "Wilfie & Nell",
"restaurant_id" : "41372275" }
{ "_id" : ObjectId("564c2d949eb21ad392f19e43"), "borough" :
"Manhattan", "cuisine" : "Vegetarian", "name" : "Wild Ginger
Vegetarian Kitchen", "restaurant_id" : "41433964" }
{ "_id" : ObjectId("564c2d949eb21ad392f19f32"), "borough" :
"Manhattan", "cuisine" : "Pizza", "name" : "Wild", "restaurant_id"
: "41447856" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ab93"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "William Barnacle",
"restaurant_id" : "41591881" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ac17"), "borough" :
"Queens", "cuisine" : "American ", "name" : "William Hallet",
"restaurant_id" : "41597549" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ac36"), "borough" :

```
"Brooklyn", "cuisine" : "American ", "name" : "Williams & Bailey",
"restaurant_id" : "41598951" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ac66"), "borough" :
"Manhattan", "cuisine" : "Asian", "name" : "Wild Ginger",
"restaurant_id" : "41600577" }
{ "_id" : ObjectId("564c2d949eb21ad392f1b41f"), "borough" :
"Manhattan", "cuisine" : "Bakery", "name" : "William Greenberg
Dessert", "restaurant_id" : "41657368" }
{ "_id" : ObjectId("564c2d949eb21ad392f1b5af"), "borough" :
"Brooklyn", "cuisine" : "Pizza/Italian", "name" : "Williamsburg
Pizza", "restaurant_id" : "41672156" }
{ "_id" : ObjectId("564c2d949eb21ad392f1b609"), "borough" :
"Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" :
"Wild Cherry", "restaurant_id" : "41675246" }
Type "it" for more
```

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.restaurants.find({name:/ces$/},{_id:1,name:1,borough:1,cuisine
:1})
{ "_id" : ObjectId("564c2d949eb21ad392f17a5b"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Pieces",
"restaurant_id" : "40399910" }
{ "_id" : ObjectId("564c2d949eb21ad392f17b1b"), "borough" :
"Queens", "cuisine" : "American ", "name" : "S.M.R Restaurant
Services", "restaurant_id" : "40403857" }
{ "_id" : ObjectId("564c2d949eb21ad392f17b21"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Good Shepherd
Services", "restaurant_id" : "40403989" }
{ "_id" : ObjectId("564c2d949eb21ad392f17fd3"), "borough" :
"Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" :
"The Ice Box-Ralph'S Famous Italian Ices", "restaurant_id" :
"40690899" }
{ "_id" : ObjectId("564c2d949eb21ad392f181d6"), "borough" :
"Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Alices",
"restaurant_id" : "40782042" }
{ "_id" : ObjectId("564c2d949eb21ad392f183f0"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Re: Sources",
"restaurant_id" : "40876068" }
{ "_id" : ObjectId("564c2d949eb21ad392f1867c"), "borough" :
"Staten Island", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
```

"name" : "Cange'S Italian Ices", "restaurant_id" : "40966018" }
{ "_id" : ObjectId("564c2d949eb21ad392f18735"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "B.A.M. Cafe/Great
Performances", "restaurant_id" : "40992170" }
{ "_id" : ObjectId("564c2d949eb21ad392f188c7"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "Barbara Blum
Residence / Good Shepherd Services", "restaurant_id" : "41029591"
}
{ "_id" : ObjectId("564c2d949eb21ad392f18eae"), "borough" :
"Brooklyn", "cuisine" : "Soul Food", "name" : "Berts Restaurant &
Catering Services", "restaurant_id" : "41184590" }
{ "_id" : ObjectId("564c2d949eb21ad392f1922c"), "borough" :
"Staten Island", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
"name" : "Ralph'S Famous Italian Ices", "restaurant_id" :
"41254301" }
{ "_id" : ObjectId("564c2d949eb21ad392f195fa"), "borough" :
"Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" :
"Ralph'S Famous Italian Ices", "restaurant_id" : "41316785" }
{ "_id" : ObjectId("564c2d949eb21ad392f197a6"), "borough" :
"Staten Island", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
"name" : "Ralph'S Famous Italian Ices", "restaurant_id" :
"41347936" }
{ "_id" : ObjectId("564c2d949eb21ad392f19908"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "International
Flavors & Fragrances", "restaurant_id" : "41370481" }
{ "_id" : ObjectId("564c2d949eb21ad392f19c8a"), "borough" :
"Staten Island", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
"name" : "Ralph'S Ices", "restaurant_id" : "41410016" }
{ "_id" : ObjectId("564c2d949eb21ad392f19db3"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "New York Stock
Exchange Executive Services", "restaurant_id" : "41426518" }
{ "_id" : ObjectId("564c2d949eb21ad392f19e82"), "borough" :
"Queens", "cuisine" : "Pizza", "name" : "Slices And Ices",
"restaurant_id" : "41437112" }
{ "_id" : ObjectId("564c2d949eb21ad392f1a046"), "borough" :
"Staten Island", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
"name" : "Ralph'S Famous Italian Ices", "restaurant_id" :
"41459709" }
{ "_id" : ObjectId("564c2d949eb21ad392f1a9bb"), "borough" :
"Manhattan", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name"
: "Ralph'S Famous Italian Ices", "restaurant_id" : "41573883" }
{ "_id" : ObjectId("564c2d949eb21ad392f1aacf"), "borough" :

```
"Bronx", "cuisine" : "Caribbean", "name" : "7 Spices",
"restaurant_id" : "41584120" }
Type "it" for more
```

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.restaurants.find({name:/Reg/},{
_id:1,name:1,borough:1,cuisine:1})
{ "_id" : ObjectId("564c2d939eb21ad392f175cf"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers",
"restaurant_id" : "40356649" }
{ "_id" : ObjectId("564c2d939eb21ad392f176ce"), "borough" :
"Manhattan", "cuisine" : "Café/Coffee/Tea", "name" : "Caffe
Reggio", "restaurant_id" : "40369418" }
{ "_id" : ObjectId("564c2d939eb21ad392f177dd"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Regency Hotel",
"restaurant_id" : "40382679" }
{ "_id" : ObjectId("564c2d949eb21ad392f17afa"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Regency Whist
Club", "restaurant_id" : "40402377" }
{ "_id" : ObjectId("564c2d949eb21ad392f17bdd"), "borough" :
"Queens", "cuisine" : "American ", "name" : "Rego Park Cafe",
"restaurant_id" : "40523342" }
{ "_id" : ObjectId("564c2d949eb21ad392f1824b"), "borough" :
"Queens", "cuisine" : "Pizza", "name" : "Regina Pizza",
"restaurant_id" : "40801325" }
{ "_id" : ObjectId("564c2d949eb21ad392f18462"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Regal
Entertainment Group", "restaurant_id" : "40891782" }
{ "_id" : ObjectId("564c2d949eb21ad392f187a4"), "borough" :
"Brooklyn", "cuisine" : "Café/Coffee/Tea", "name" : "Cafe
Regular", "restaurant_id" : "41003435" }
{ "_id" : ObjectId("564c2d949eb21ad392f1897c"), "borough" :
"Queens", "cuisine" : "Middle Eastern", "name" : "Rego Pita",
"restaurant_id" : "41053746" }
{ "_id" : ObjectId("564c2d949eb21ad392f18b09"), "borough" :
"Manhattan", "cuisine" : "Italian", "name" : "Regional",
"restaurant_id" : "41096822" }
{ "_id" : ObjectId("564c2d949eb21ad392f18eab"), "borough" :
```

```
"Queens", "cuisine" : "American ", "name" : "Regal Cinema 8 (Atlas
Park Stadium)", "restaurant_id" : "41184464" }
{ "_id" : ObjectId("564c2d949eb21ad392f19083"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Regal Cinemas
E-Walk Stadium13", "restaurant_id" : "41227884" }
{ "_id" : ObjectId("564c2d949eb21ad392f195ae"), "borough" :
"Queens", "cuisine" : "Jewish/Kosher", "name" : "Regestan",
"restaurant_id" : "41312517" }
{ "_id" : ObjectId("564c2d949eb21ad392f196ff"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "Sheepshead Bay
Regal Cinemas Theatre", "restaurant_id" : "41335396" }
{ "_id" : ObjectId("564c2d949eb21ad392f19c02"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Regal Union Square
Stadium 14", "restaurant_id" : "41402060" }
{ "_id" : ObjectId("564c2d949eb21ad392f19d3c"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "St Regis New York
- 20Th Floor Roof Ballroom", "restaurant_id" : "41420313" }
{ "_id" : ObjectId("564c2d949eb21ad392f19e09"), "borough" :
"Queens", "cuisine" : "Chinese", "name" : "Rego Garden Restaurant,
Inc", "restaurant_id" : "41430576" }
{ "_id" : ObjectId("564c2d949eb21ad392f1a2c9"), "borough" :
"Queens", "cuisine" : "Pizza/Italian", "name" : "Regina'S Cafe &
Pizzeria", "restaurant_id" : "41486945" }
{ "_id" : ObjectId("564c2d949eb21ad392f1a7c3"), "borough" :
"Queens", "cuisine" : "American ", "name" : "Rego Bagel",
"restaurant_id" : "41553722" }
{ "_id" : ObjectId("564c2d949eb21ad392f1a9f4"), "borough" :
"Queens", "cuisine" : "Caribbean", "name" : "Reggae Food
Restaurant & Lounge", "restaurant_id" : "41575236" }
Type "it" for more
```

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

```
>db.restaurants.find({borough:"Bronx",cuisine:{$in:["American","Ch
inese"] }})
{ "_id" : ObjectId("564c2d939eb21ad392f175d1"), "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("564c2d939eb21ad392f175ed"), "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", "restaura
nt_id" : "40363289" }
{ "_id" : ObjectId("564c2d939eb21ad392f175fc"), "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("2012-08-29T00:00:0
0Z"), "grade" : "A", "score" : 11 }, { "date" :
ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 13 }],
"name" : "Happy Garden", "restaurant_id" : "40364296" }
{ "_id" : ObjectId("564c2d939eb21ad392f17605"), "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("564c2d939eb21ad392f1761d"), "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("2012-09-20T00:0
0:00Z"), "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("564c2d939eb21ad392f17637"), "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"), "g
rade" : "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("564c2d939eb21ad392f17662"), "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("564c2d939eb21ad392f1766b"), "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("564c2d939eb21ad392f17679"), "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"), "gra
de" : "A", "score" : 2 } ], "name" : "Marina Delray",
"restaurant_id" : "40367161" }
{ "_id" : ObjectId("564c2d939eb21ad392f176a0"), "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("2011-06-08T00:00:00
Z"), "grade" : "A", "score" : 5 } ], "name" : "Cool Zone",
"restaurant_id" : "40368022" } etc..
```

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.

```
>db.restaurants.find( borough:{$in:["Staten
Island","Queens","Bronx","Brooklyn"] }},{
_id:1,name:1,borough:1,cuisine: 1})
{ "_id" : ObjectId("564c2d939eb21ad392f175ca"), "borough" :
"Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop",
"restaurant_id" : "30075445" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cb"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer",
"restaurant_id" : "40356018" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cc"), "borough" :
"Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S",
"restaurant_id" : "30112340" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cd"), "borough" :
"Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher
Kitchen", "restaurant_id" : "40356068" }
{ "_id" : ObjectId("564c2d939eb21ad392f175ce"), "borough" :
"Queens", "cuisine" : "American ", "name" : "Brunos On The
Boulevard", "restaurant_id" : "40356151" }
```

{ "_id" : ObjectId("564c2d939eb21ad392f175cf"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant_id" : "40356649" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d0"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d1"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant_id" : "40357217" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d2"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant_id" : "40356731" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d3"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant_id" : "40357437" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d4"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant_id" : "40358429" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d6"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant_id" : "40360045" }
{ "_id" : ObjectId("564c2d949eb21ad392f1c593"), "borough" : "Queens", "cuisine" : "Other", "name" : "Laquana King", "restaurant_id" : "50003441" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d7"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant_id" : "40360076" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d8"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant_id" : "40361322" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d9"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant_id" : "40361390" }
{ "_id" : ObjectId("564c2d939eb21ad392f175da"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant_id" : "40361606" }
{ "_id" : ObjectId("564c2d939eb21ad392f175dc"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant_id" : "40361618" }
{ "_id" : ObjectId("564c2d939eb21ad392f175dd"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant_id" : "40356442" }

```
{ "_id" : ObjectId("564c2d939eb21ad392f175df"), "borough" :
"Queens", "cuisine" : "Delicatessen", "name" : "Steve Chu'S Deli &
Grocery", "restaurant_id" : "40361998" }
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 Bronxor Brooklyn.

```
>db.restaurants.find({borough:{$nin:["Staten
Island","Queens","Bronx","Brooklyn"]}},{
_id:1,name:1,borough:1,cuisine: 1})
{ "_id" : ObjectId("564c2d939eb21ad392f175c9"), "borough" :
"Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And
Restaurant", "restaurant_id" : "30191841" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d5"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street
Kitchen", "restaurant_id" : "40359480" }
{ "_id" : ObjectId("564c2d939eb21ad392f175db"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Glorious Food",
"restaurant_id" : "40361521" }
{ "_id" : ObjectId("564c2d939eb21ad392f175de"), "borough" :
"Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli",
"restaurant_id" : "40361708" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e0"), "borough" :
"Manhattan", "cuisine" : "Chicken", "name" : "Harriet'S Kitchen",
"restaurant_id" : "40362098" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e1"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "P & S Deli
Grocery", "restaurant_id" : "40362264" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e2"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Angelika Film
Center", "restaurant_id" : "40362274" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e3"), "borough" :
"Manhattan", "cuisine" : "Turkish", "name" : "The Country Cafe",
"restaurant_id" : "40362715" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e8"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Downtown Deli",
"restaurant_id" : "40363021" }
{ "_id" : ObjectId("564c2d939eb21ad392f175eb"), "borough" :
"Manhattan", "cuisine" : "Bakery", "name" : "Olive'S",
```

```
"restaurant_id" : "40363151" }
{ "_id" : ObjectId("564c2d939eb21ad392f175ec"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Cafe Metro",
"restaurant_id" : "40363298" }
{ "_id" : ObjectId("564c2d939eb21ad392f175ee"), "borough" :
"Manhattan", "cuisine" : "Sandwiches/Salads/Mixed Buffet", "name"
: "Lexler Deli", "restaurant_id" : "40363426" }
{ "_id" : ObjectId("564c2d939eb21ad392f175f2"), "borough" :
"Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza",
"restaurant_id" : "40363644" }
{ "_id" : ObjectId("564c2d939eb21ad392f175f3"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Berkely",
"restaurant_id" : "40363685" }
{ "_id" : ObjectId("564c2d939eb21ad392f175f7"), "borough" :
"Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza",
"restaurant_id" : "40363945" }
{ "_id" : ObjectId("564c2d939eb21ad392f175f8"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Spoon Bread
Catering", "restaurant_id" : "40364179" }
{ "_id" : ObjectId("564c2d939eb21ad392f175fe"), "borough" :
"Manhattan", "cuisine" : "Chicken", "name" : "Texas Rotisserie",
"restaurant_id" : "40364304" }
{ "_id" : ObjectId("564c2d939eb21ad392f17601"), "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Metropolitan
Club", "restaurant_id" : "40364347" }
{ "_id" : ObjectId("564c2d939eb21ad392f17602"), "borough" :
"Manhattan", "cuisine" : "Continental", "name" : "Lorenzo &
Maria'S", "restaurant_id" : "40363630" }
{ "_id" : ObjectId("564c2d939eb21ad392f17603"), "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.

```
>db.restaurants.find({"grades.score":{$lte:10}},{_id:1,name:1,boro
ugh:1,cuisine:1})
{ "_id" : ObjectId("564c2d939eb21ad392f175d3"), "borough" :
"Brooklyn", "cuisine" : "American ", "name" : "C & C Catering
Service", "restaurant_id" : "40357437" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d5"), "borough" :
```

"Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant_id" : "40359480" }
{ "_id" : ObjectId("564c2d949eb21ad392f1c593"), "borough" : "Queens", "cuisine" : "Other", "name" : "Laquana King", "restaurant_id" : "50003441" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d9"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant_id" : "40361390" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e6"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant_id" : "40362344" }
{ "_id" : ObjectId("564c2d939eb21ad392f175f4"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Sonny'S Heros", "restaurant_id" : "40363744" }
{ "_id" : ObjectId("564c2d939eb21ad392f17605"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Manhem Club", "restaurant_id" : "40364363" }
{ "_id" : ObjectId("564c2d949eb21ad392f1c54d"), "borough" : "Queens", "cuisine" : "Other", "name" : "Zoe Place", "restaurant_id" : "50003255" }
{ "_id" : ObjectId("564c2d939eb21ad392f17613"), "borough" : "Staten Island", "cuisine" : "American ", "name" : "Great Kills Yacht Club", "restaurant_id" : "40364610" }
{ "_id" : ObjectId("564c2d939eb21ad392f1761a"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Serendipity 3", "restaurant_id" : "40364863" }
{ "_id" : ObjectId("564c2d939eb21ad392f1761f"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "White Horse Tavern", "restaurant_id" : "40364958" }
{ "_id" : ObjectId("564c2d939eb21ad392f17627"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dorrian'S Red Hand Restaurant", "restaurant_id" : "40365239" }
{ "_id" : ObjectId("564c2d939eb21ad392f17678"), "borough" : "Manhattan", "cuisine" : "Mexican", "name" : "Mexico Lindo Restaurant", "restaurant_id" : "40367038" }
{ "_id" : ObjectId("564c2d939eb21ad392f17699"), "borough" : "Brooklyn", "cuisine" : "Greek", "name" : "El Greco Diner", "restaurant_id" : "40367795" }
{ "_id" : ObjectId("564c2d939eb21ad392f1769d"), "borough" : "Bronx", "cuisine" : "Not Listed/Not Applicable", "name" : "The Lark'S Nest", "restaurant_id" : "40367946" }
{ "_id" : ObjectId("564c2d939eb21ad392f1769e"), "borough" :

```
"Bronx", "cuisine" : "African", "name" : "African Terrace",
"restaurant_id" : "40368021" }
{ "_id" : ObjectId("564c2d939eb21ad392f1769f"), "borough" :
"Bronx", "cuisine" : "Café/Coffee/Tea", "name" : "Terrace Cafe",
"restaurant_id" : "40368018" }
{ "_id" : ObjectId("564c2d939eb21ad392f176a3"), "borough" :
"Bronx", "cuisine" : "American ", "name" : "African Market (Baboon
Cafe)", "restaurant_id" : "40368026" }
{ "_id" : ObjectId("564c2d939eb21ad392f176a4"), "borough" :
"Staten Island", "cuisine" : "Italian", "name" : "Roadhouse
Restaurant", "restaurant_id" : "40368034" }
{ "_id" : ObjectId("564c2d939eb21ad392f176c6"), "borough" :
"Manhattan", "cuisine" : "French", "name" : "Pergola Des
Artistes", "restaurant_id" : "40369139" }
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 'Chinees' or restaurant's name begins with letter 'Wil'.

```
>db.restaurants.find({$or:[{cuisine:{$nin:["American","Chinese"]}}
,{
name:{$regex:/^Wil/}}]},{restaurant_id:1,name:1,borough:1,cuisine:
1,_id0 })
{ "_id" : ObjectId("564c2d939eb21ad392f175c9"), "borough" :
"Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And
Restaurant", "restaurant_id" : "30191841" }
{ "_id" : ObjectId("564c2d939eb21ad392f175ca"), "borough" :
"Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop",
"restaurant_id" : "30075445" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cc"), "borough" :
"Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S",
"restaurant_id" : "30112340" }
{ "_id" : ObjectId("564c2d939eb21ad392f175cd"), "borough" :
"Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher
Kitchen", "restaurant_id" : "40356068" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d0"), "borough" :
"Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine
Food", "restaurant_id" : "40356483" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d1"), "borough" :
"Bronx", "cuisine" : "American ", "name" : "Wild Asia",
```

"restaurant_id" : "40357217" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d2"), "borough" :
"Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name"
: "Taste The Tropics Ice Cream", "restaurant_id" : "40356731" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d4"), "borough" :
"Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen",
"restaurant_id" : "40358429" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d6"), "borough" :
"Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods",
"restaurant_id" : "40360045" }
{ "_id" : ObjectId("564c2d949eb21ad392f1c593"), "borough" :
"Queens", "cuisine" : "Other", "name" : "Laquana King",
"restaurant_id" : "50003441" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d7"), "borough" :
"Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name"
: "Carvel Ice Cream", "restaurant_id" : "40360076" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d8"), "borough" :
"Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" :
"Carvel Ice Cream", "restaurant_id" : "40361322" }
{ "_id" : ObjectId("564c2d939eb21ad392f175d9"), "borough" :
"Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic
Delicacies", "restaurant_id" : "40361390" }
{ "_id" : ObjectId("564c2d939eb21ad392f175dc"), "borough" :
"Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli",
"restaurant_id" : "40361618" }
{ "_id" : ObjectId("564c2d939eb21ad392f175dd"), "borough" :
"Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher
Island", "restaurant_id" : "40356442" }
{ "_id" : ObjectId("564c2d939eb21ad392f175de"), "borough" :
"Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli",
"restaurant_id" : "40361708" }
{ "_id" : ObjectId("564c2d939eb21ad392f175df"), "borough" :
"Queens", "cuisine" : "Delicatessen", "name" : "Steve Chu'S Deli &
Grocery", "restaurant_id" : "40361998" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e0"), "borough" :
"Manhattan", "cuisine" : "Chicken", "name" : "Harriet'S Kitchen",
"restaurant_id" : "40362098" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e3"), "borough" :
"Manhattan", "cuisine" : "Turkish", "name" : "The Country Cafe",
"restaurant_id" : "40362715" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e4"), "borough" :
"Queens", "cuisine" : "Chinese", "name" : "Ho Mei Restaurant",

```
"restaurant_id" : "40362432" }
Type "it" for more
```

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

```
>db.restaurants.find({}).sort({name:1})
{ "_id" : ObjectId("564c2d949eb21ad392f1d6de"), "address" : {
"building" : "154", "coord" : [ -73.9189064, 40.8654529 ],
"street" : "Post Ave", "zipcode" : "10034" }, "borough" :
"Manhattan", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50017887" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d6ec"), "address" : {
"building" : "508", "coord" : [ -73.999813, 40.683876 ], "street"
: "Henry St", "zipcode" : "11231" }, "borough" : "Brooklyn",
"cuisine" : "Other", "grades" : [ ], "name" : "", "restaurant_id"
: "50017910" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d6ed"), "address" : {
"building" : "15", "coord" : [ -73.9966882, 40.7139264 ], "street"
: "Division St", "zipcode" : "10002" }, "borough" : "Manhattan",
"cuisine" : "Other", "grades" : [ ], "name" : "", "restaurant_id"
: "50017912" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d6f5"), "address" : {
"building" : "4704", "coord" : [ -74.013391, 40.64943 ], "street"
: "3Rd Ave", "zipcode" : "11220" }, "borough" : "Brooklyn",
"cuisine" : "Other", "grades" : [ ], "name" : "", "restaurant_id"
: "50017925" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d6f8"), "address" : {
"building" : "2145", "coord" : [ -73.8668062, 40.8547454 ],
"street" : "Cruger Ave", "zipcode" : "10462" }, "borough" :
"Bronx", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50017935" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d6f9"), "address" : {
"building" : "567", "coord" : [ -73.9521663, 40.7172388 ],
"street" : "Union Ave", "zipcode" : "11211" }, "borough" :
"Brooklyn", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50017938" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d702"), "address" : {
"building" : "947", "coord" : [ -74.00435499999999, 40.653897 ],
"street" : "4Th Ave", "zipcode" : "11232" }, "borough" :
"Brooklyn", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50017967" }
```

{ "_id" : ObjectId("564c2d949eb21ad392f1d703"), "address" : {
"building" : "1501", "coord" : [-73.815882, 40.787061], "street"
: "149Th St", "zipcode" : "11357" }, "borough" : "Queens",
"cuisine" : "Other", "grades" : [ ], "name" : "", "restaurant_id"
: "50017969" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d709"), "address" : {
"building" : "208", "coord" : [-73.9187426, 40.8299958],
"street" : "E 165Th St", "zipcode" : "10456" }, "borough" :
"Bronx", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50017982" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d711"), "address" : {
"building" : "2478", "coord" : [-73.98764190000001, 40.597901],
"street" : "86Th St", "zipcode" : "11214" }, "borough" :
"Brooklyn", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50018007" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d713"), "address" : {
"building" : "61", "coord" : [-73.9835112, 40.7408627], "street"
: "Lexington Ave", "zipcode" : "10010" }, "borough" : "Manhattan",
"cuisine" : "Other", "grades" : [ ], "name" : "", "restaurant_id"
: "50018012" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d725"), "address" : {
"building" : "98A", "coord" : [-73.96413, 40.7120375], "street"
: "S 4Th St", "zipcode" : "11249" }, "borough" : "Brooklyn",
"cuisine" : "Other", "grades" : [ ], "name" : "", "restaurant_id"
: "50018042" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d729"), "address" : {
"building" : "2574", "coord" : [-73.961125, 40.594069], "street"
: "Coney Island Ave", "zipcode" : "11223" }, "borough" :
"Brooklyn", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50018050" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d72f"), "address" : {
"building" : "1250", "coord" : [-73.92937599999999, 40.6421007],
"street" : "Utica Ave", "zipcode" : "11203" }, "borough" :
"Brooklyn", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50018061" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d730"), "address" : {
"building" : "76", "coord" : [-73.9964401, 40.6951679], "street"
: "Montague St", "zipcode" : "11201" }, "borough" : "Brooklyn",
"cuisine" : "Other", "grades" : [ ], "name" : "", "restaurant_id"
: "50018062" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d738"), "address" : {
"building" : "420", "coord" : [-73.94310449999999, 40.8108763],

```
"street" : "Lenox Ave", "zipcode" : "10037" }, "borough" :
"Manhattan", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50018083" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d739"), "address" : {
"building" : "2580", "coord" : [ -73.970705, 40.7953768 ],
"street" : "Broadway", "zipcode" : "10025" }, "borough" :
"Manhattan", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50018085" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d73c"), "address" : {
"building" : "308", "coord" : [ -73.9372612, 40.7966002 ],
"street" : "E 116Th St", "zipcode" : "10029" }, "borough" :
"Manhattan", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50018088" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d73f"), "address" : {
"building" : "3712", "coord" : [ -73.870897, 40.751033 ], "street"
: "Junction Blvd", "zipcode" : "11368" }, "borough" : "Queens",
"cuisine" : "Other", "grades" : [ ], "name" : "", "restaurant_id"
: "50018095" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d740"), "address" : {
"building" : "889", "coord" : [ -73.9857624, 40.7684922 ],
"street" : "9Th Ave", "zipcode" : "10019" }, "borough" :
"Manhattan", "cuisine" : "Other", "grades" : [ ], "name" : "",
"restaurant_id" : "50018100" }
Type "it" for more
```

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

```
>db.restaurant.find({}).sort(name:-1})
{ "_id" : ObjectId("564c2d949eb21ad392f1ba3c"), "address" : {
"building" : "1", "coord" : [ -74.073156, 40.6457369 ],
"street" : "Richmond Terrace", "zipcode" : "10301" },
"borough" : "Staten Island", "cuisine" : "Pizza", "grades" :
[ { "date" : ISODate("2015-01-13T00:00:00Z"), "grade" : "Z",
"score" : 18 }, { "date" : ISODate("2014-07-24T00:00:00Z"),
"grade" : "A", "score" : 12 }, { "date" :
ISODate("2013-11-08T00:00:00Z"), "grade" : "B", "score" : 21
}, { "date" : ISODate("2013-04-17T00:00:00Z
"), "grade" : "A", "score" : 12 } ], "name" : "Zz'S Pizza &
Grill", "restaurant_id" : "41702705" }
{ "_id" : ObjectId("564c2d949eb21ad392f1c0d1"), "address" : {
```

"building" : "169", "coord" : [-74.000466, 40.727688],
"street" : "Thompson Street", "zipcode" : "10012" },
"borough" : "Manhattan", "cuisine" : "Other", "grades" : [{
"date" : ISODate("2014-05-15T00:00:00Z"), "grade" : "A",
"score" : 10 }], "name" : "Zz Clam Bar", "restaurant_id" :
"50001062" }
{ "_id" : ObjectId("564c2d949eb21ad392f1bc98"), "address" : {
"building" : "726", "coord" : [-73.8662887, 40.8594314],
"street" : "Astor Avenue", "zipcode" : "10467" }, "borough" :
"Bronx", "cuisine" : "American ", "grades" : [{ "date" :
ISODate("2014-09-09T00:00:00Z"), "grade" : "C", "score" : 75
}, { "date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "A",
"score" : 5 }, { "date" : ISODate("2013-08-22T00:00:00Z"),
"grade" : "B", "score" : 18 }], "name" : "Zymi Bar & Grill",
"restaurant_id"
 : "41712791" }
{ "_id" : ObjectId("564c2d949eb21ad392f19aa9"), "address" : {
"building" : "173", "coord" : [-73.98195249999999,
40.6784779], "street" : "4 Avenue", "zipcode" : "11217" },
"borough" : "Brooklyn", "cuisine" : "Japanese", "grades" : [
{ "date" : ISODate("2014-07-01T00:00:00Z"), "grade" : "A",
"score" : 11 }, { "date" : ISODate("2013-12-20T00:00:00Z"),
"grade" : "A", "score" : 9 }, { "date" :
ISODate("2013-03-21T00:00:00Z"), "grade" : "A", "score" : 7
}, { "date" : ISODate("2011-12-22T00:00:00Z")
, "grade" : "A", "score" : 4 }], "name" : "Zuzu Ramen",
"restaurant_id" : "41387911" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ac9c"), "address" : {
"building" : "77", "coord" : [-74.0090803, 40.71848110000001
], "street" : "Hudson Street", "zipcode" : "10013" },
"borough" : "Manhattan", "cuisine" : "Japanese", "grades" : [
{ "date" : ISODate("2014-11-12T00:00:00Z"), "grade" : "B",
"score" : 14 }, { "date" : ISODate("2014-04-07T00:00:00Z"),
"grade" : "B", "score" : 17 }, { "date" :
ISODate("2013-07-29T00:00:00Z"), "grade" : "A", "score" : 5
}, { "date" : ISODate("2013-01-31T00:00
:00Z"), "grade" : "A", "score" : 12 }, { "date" :
ISODate("2012-05-03T00:00:00Z"), "grade" : "C", "score" : 40
}], "name" : "Zutto", "restaurant_id" : "41602974" }

{ "_id" : ObjectId("564c2d949eb21ad392f1b956"), "address" : { "building" : "330", "coord" : [-74.134152, 40.632998], "street" : "Heberton Avenue", "zipcode" : "10302" }, "borough" : "Staten Island", "cuisine" : "Other", "grades" : [{ "date" : ISODate("2015-01-20T00:00:00Z"), "grade" : "Not Yet Graded", "score" : 44 }], "name" : "Zumba Restaurant", "restaurant_id" : "41698293" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d5a2"), "address" : { "building" : "261", "coord" : [-73.980608, 40.750468], "street" : "Madison Ave", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Japanese", "grades" : [{ "date" : ISODate("2015-01-20T00:00:00Z"), "grade" : "Not Yet Graded", "score" : 17 }], "name" : "Zuma Japanese Restaurant New York", "restaurant_id" : "50017098" }
{ "_id" : ObjectId("564c2d939eb21ad392f17688"), "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("564c2d949eb21ad392f181c3"), "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("564c2d949eb21ad392f1941a"), "address" : {
"building" : "146", "coord" : [-74.00985849999999,
40.7155442], "street" : "Chambers Street", "zipcode" :
"10007" }, "borough" : "Manhattan", "cuisine" :
"Bagels/Pretzels", "grades" : [{ "date" :
ISODate("2014-04-02T00:00:00Z"), "grade" : "A", "score" : 10
}, { "date" : ISODate("2013-10-31T00:00:00Z"), "grade" : "A",
"score" : 5 }, { "date" : ISODate("2013-06-07T00:00:00Z"),
"grade" : "A", "score" : 4 }, { "date" : ISODate("2012-12
-28T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" :
ISODate("2011-12-20T00:00:00Z"), "grade" : "A", "score" : 12
}], "name" : "Zucker'S Bagels And Smoked Fish",
"restaurant_id" : "41290213" }
{ "_id" : ObjectId("564c2d949eb21ad392f1baf9"), "address" : {
"building" : "370", "coord" : [-73.9768121, 40.7507385],
"street" : "Lexington Avenue", "zipcode" : "10017" },
"borough" : "Manhattan", "cuisine" : "Delicatessen", "grades"
: [{ "date" : ISODate("2015-01-15T00:00:00Z"), "grade" :
"A", "score" : 9 }, { "date" :
ISODate("2014-07-01T00:00:00Z"), "grade" : "A", "score" : 13
}, { "date" : ISODate("2013-06-12T00:00:00Z"), "grade" : "A",
"score" : 7 }], "name" : "Zucker'S Bagel", "restau
rant_id" : "41705626" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ab5f"), "address" : {
"building" : "433", "coord" : [-73.9833124, 40.7277147],
"street" : "East   9 Street", "zipcode" : "10009" },
"borough" : "Manhattan", "cuisine" : "Café/Coffee/Tea",
"grades" : [{ "date" : ISODate("2014-05-14T00:00:00Z"),
"grade" : "A", "score" : 10 }, { "date" :
ISODate("2013-05-14T00:00:00Z"), "grade" : "A", "score" : 7
}, { "date" : ISODate("2012-12-19T00:00:00Z"), "grade" : "A",
"score" : 2 }, { "date" : ISODate("2011-09-23T00
:00:00Z"), "grade" : "A", "score" : 0 }], "name" : "Zucker
Bakery", "restaurant_id" : "41590236" }
{ "_id" : ObjectId("564c2d949eb21ad392f18ede"), "address" : {
"building" : "1435", "coord" : [-73.95734, 40.770682],

"street" : "2 Avenue", "zipcode" : "10021" }, "borough" :
"Manhattan", "cuisine" : "Italian", "grades" : [{ "date" :
ISODate("2014-05-01T00:00:00Z"), "grade" : "A", "score" : 13
}, { "date" : ISODate("2013-03-07T00:00:00Z"), "grade" : "A",
"score" : 12 }, { "date" : ISODate("2012-07-31T00:00:00Z"),
"grade" : "B", "score" : 24 }, { "date" :
ISODate("2012-03-08T00:00:00Z"), "grad
e" : "B", "score" : 16 }], "name" : "Zucchero E Pomodori",
"restaurant_id" : "41189590" }
{ "_id" : ObjectId("564c2d949eb21ad392f1b7c1"), "address" : {
"building" : "18816", "coord" : [-73.7804838, 40.7291221],
"street" : "Union Turnpike", "zipcode" : "11366" }, "borough"
: "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
"grades" : [{ "date" : ISODate("2013-12-28T00:00:00Z"),
"grade" : "A", "score" : 4 }, { "date" :
ISODate("2012-12-13T00:00:00Z"), "grade" : "A", "score" : 7 }
], "name" : "Zucca Buca Frozen Yogurt", "restaurant_id" :
"41688644" }
{ "_id" : ObjectId("564c2d949eb21ad392f1c66d"), "address" : {
"building" : "4114", "coord" : [-73.80402889999999,
40.76095919999999], "street" : "162Nd St", "zipcode" :
"11358" }, "borough" : "Queens", "cuisine" : "Korean",
"grades" : [{ "date" : ISODate("2014-12-10T00:00:00Z"),
"grade" : "Z", "score" : 12 }, { "date" :
ISODate("2014-05-09T00:00:00Z"), "grade" : "B", "score" : 20
}], "name" : "Zu Rang Ny", "restaurant_id" : "50004270" }
{ "_id" : ObjectId("564c2d949eb21ad392f183f9"), "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("564c2d949eb21ad392f1bf47"), "address" : {

"building" : "449", "coord" : [-73.990179, 40.765078],
"street" : "West   51 Street", "zipcode" : "10019" },
"borough" : "Manhattan", "cuisine" : "Latin (Cuban,
Dominican, Puerto Rican, South & Central American)", "grades"
: [{ "date" : ISODate("2014-10-15T00:00:00Z"), "grade" :
"A", "score" : 13 }, { "date" :
ISODate("2014-04-28T00:00:00Z"), "grade" : "A", "score" : 8
}, { "date" : ISODate("2013-10-18T00:00:00Z"), "grade" : "A",
"
score" : 9 }], "name" : "Zoralie Restaurant Inc.",
"restaurant_id" : "50000338" }
{ "_id" : ObjectId("564c2d949eb21ad392f19f1a"), "address" : {
"building" : "1518", "coord" : [-73.917182, 40.843466],
"street" : "Macombs Road", "zipcode" : "10452" }, "borough" :
"Bronx", "cuisine" : "African", "grades" : [{ "date" :
ISODate("2013-09-05T00:00:00Z"), "grade" : "Z", "score" : 11
}, { "date" : ISODate("2013-01-25T00:00:00Z"), "grade" : "A",
"score" : 12 }, { "date" : ISODate("2012-01-05T00:00:00Z"),
"grade" : "A", "score" : 2 }], "name" : "Zoodo",
"restaurant_id" : "41446358"
}
{ "_id" : ObjectId("564c2d949eb21ad392f1b128"), "address" : {
"building" : "460462", "coord" : [-73.9935881, 40.7571543],
"street" : "9Th Ave", "zipcode" : "10018" }, "borough" :
"Manhattan", "cuisine" : "Thai", "grades" : [{ "date" :
ISODate("2014-11-19T00:00:00Z"), "grade" : "A", "score" : 0
}, { "date" : ISODate("2014-07-17T00:00:00Z"), "grade" : "A",
"score" : 9 }, { "date" : ISODate("2014-06-23T00:00:00Z"),
"grade" : "P", "score" : 5 }, { "date" :
ISODate("2014-02-12T00:00:00Z"), "grade"
 : "C", "score" : 32 }, { "date" :
ISODate("2013-07-24T00:00:00Z"), "grade" : "B", "score" : 21
}, { "date" : ISODate("2013-01-23T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2012-04-19T00:00:00Z"),
"grade" : "B", "score" : 20 }], "name" : "Zoob Zib Thai
Noodle / Aura", "restaurant_id" : "41636858" }
{ "_id" : ObjectId("564c2d949eb21ad392f1d66b"), "address" : {
"building" : "22", "coord" : [-73.98645739999999, 40.7489646
], "street" : "W 34Th St", "zipcode" : "10001" }, "borough" :

```
"Manhattan", "cuisine" : "Café/Coffee/Tea", "grades" : [ {
"date" : ISODate("2014-12-05T00:00:00Z"), "grade" : "A",
"score" : 12 } ], "name" : "Zoni Cafe", "restaurant_id" :
"50017605" }
Type "it" for more
```

24)Write a MongoDB query to arranged the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.

```
>db.restaurant.find({}).sort(name:1,borough:-1})
{ "_id" : ObjectId("564c2d949eb21ad392f1a622"), "address" : {
"building" : "259-11", "coord" : [ -73.708831, 40.73748399999999
], "street" : "Hillside Avenue", "zipcode" : "11004" }, "borough"
: "Queens", "cuisine" : "Afghan", "grades" : [ { "date" :
ISODate("2014-09-15T00:00:00Z"), "grade" : "A", "score" : 13 }, {
"date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" :
7 }, { "date" : ISODate("2013-04-18T00:00:00Z"), "grade" : "B",
"score" : 21 }, { "date" : ISODate("2012-08-29T00:00
:00Z"), "grade" : "A", "score" : 2 }, { "date" :
ISODate("2012-02-09T00:00:00Z"), "grade" : "A", "score" : 11 } ],
"name" : "Afghan Kebob House", "restaurant_id" : "41535706" }
{ "_id" : ObjectId("564c2d949eb21ad392f1a852"), "address" : {
"building" : "68-16", "coord" : [ -73.79474420000001, 40.7332144
], "street" : "Fresh Meadow Lane", "zipcode" : "11365" },
"borough" : "Queens", "cuisine" : "Afghan", "grades" : [ { "date"
: ISODate("2013-11-23T00:00:00Z"), "grade" : "A", "score" : 13 },
{ "date" : ISODate("2013-06-01T00:00:00Z"), "grade" : "A", "score"
: 13 }, { "date" : ISODate("2012-02-27T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2011-09-03T00
:00:00Z"), "grade" : "C", "score" : 34 } ], "name" : "Bakhter
Afghan Halal Kabab", "restaurant_id" : "41559771" }
{ "_id" : ObjectId("564c2d949eb21ad392f1a94e"), "address" : {
"building" : "43-27", "coord" : [ -73.8260645, 40.751886 ],
"street" : "Main Street", "zipcode" : "11355" }, "borough" :
"Queens", "cuisine" : "Afghan", "grades" : [ { "date" :
ISODate("2014-02-25T00:00:00Z"), "grade" : "A", "score" : 12 }, {
"date" : ISODate("2013-08-29T00:00:00Z"), "grade" : "B", "score" :
15 }, { "date" : ISODate("2013-03-05T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2013-02-13T00:00:00Z"), "gr
ade" : "P", "score" : 5 }, { "date" :
ISODate("2012-06-28T00:00:00Z"), "grade" : "B", "score" : 17 }, {
```

"date" : ISODate("2011-06-18T00:00:00Z"), "grade" : "A", "score" :
13 }], "name" : "Choopan Kabab Restaurant", "restaurant_id" :
"41569155" }
{ "_id" : ObjectId("564c2d949eb21ad392f1b48e"), "address" : {
"building" : "6729", "coord" : [-73.8204147, 40.724243],
"street" : "Main St", "zipcode" : "11367" }, "borough" : "Queens",
"cuisine" : "Afghan", "grades" : [{ "date" :
ISODate("2014-08-20T00:00:00Z"), "grade" : "A", "score" : 4 }, {
"date" : ISODate("2013-07-31T00:00:00Z"), "grade" : "A", "score" :
5 }, { "date" : ISODate("2012-08-04T00:00:00Z"), "grade" : "A",
"score" : 5 }], "name" : "Bakhtar Kabab", "restaurant_id" :
"41661199
" }
{ "_id" : ObjectId("564c2d949eb21ad392f1c2b8"), "address" : {
"building" : "110-23", "coord" : [-73.8374947, 40.696891],
"street" : "Jamaica Avenue", "zipcode" : "11418" }, "borough" :
"Queens", "cuisine" : "Afghan", "grades" : [{ "date" :
ISODate("2014-07-09T00:00:00Z"), "grade" : "A", "score" : 12 }, {
"date" : ISODate("2014-01-02T00:00:00Z"), "grade" : "A", "score" :
11 }], "name" : "New Bkhatar Afghan Halal Kabab & Gyro King",
"restaurant_id" : "50001906" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ca7f"), "address" : {
"building" : "2310", "coord" : [-73.91336969999999, 40.7742674],
"street" : "31St St", "zipcode" : "11105" }, "borough" : "Queens",
"cuisine" : "Afghan", "grades" : [{ "date" :
ISODate("2014-03-27T00:00:00Z"), "grade" : "A", "score" : 13 }],
"name" : "Balkh Shish Kabab House", "restaurant_id" : "50007432" }
{ "_id" : ObjectId("564c2d949eb21ad392f1cba0"), "address" : {
"building" : "33-35", "coord" : [-73.7896131, 40.7666136],
"street" : "Francis Lewis Boulevard", "zipcode" : "11358" },
"borough" : "Queens", "cuisine" : "Afghan", "grades" : [{ "date"
: ISODate("2014-06-25T00:00:00Z"), "grade" : "A", "score" : 11 }
], "name" : "Arya Kabob House", "restaurant_id" : "50008452" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ce17"), "address" : {
"building" : "72-55", "coord" : [-73.812895, 40.7276946],
"street" : "Kissena Boulevard", "zipcode" : "11367" }, "borough" :
"Queens", "cuisine" : "Afghan", "grades" : [{ "date" :
ISODate("2014-08-28T00:00:00Z"), "grade" : "A", "score" : 12 }],
"name" : "Tariq Afghan Kabab", "restaurant_id" : "50010806" }
{ "_id" : ObjectId("564c2d949eb21ad392f1ce1c"), "address" : {
"building" : "68-16", "coord" : [-73.79474420000001, 40.7332144
], "street" : "Fresh Meadow Lane", "zipcode" : "11365" },

```
"borough" : "Queens", "cuisine" : "Afghan", "grades" : [ { "date"
: ISODate("2015-01-12T00:00:00Z"), "grade" : "A", "score" : 10 },
{ "date" : ISODate("2014-06-26T00:00:00Z"), "grade" : "A", "score"
: 12 } ], "name" : "Bakhter Afghan Halal Kabab", "restaurant_id" :
"50010813" }
{ "_id" : ObjectId("564c2d949eb21ad392f17cb4"), "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" }
```

25)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.restaurants.find({"grades.score":{$mod:[7,0]}},{restaurant_id:
1,name:1,grades:1})
{ "_id" : ObjectId("564c2d939eb21ad392f175ca"), "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("564c2d939eb21ad392f175cb"), "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("564c2d939eb21ad392f175ce"), "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("564c2d939eb21ad392f175d4"), "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("564c2d939eb21ad392f175d5"), "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("564c2d939eb21ad392f175d6"), "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("564c2d939eb21ad392f175dc"), "grades" : [{
"date" : ISODate("2014-08-16T00:00:00Z"), "grade" : "A", "score" :
12 }, { "date" : ISODate("2013-08-27T00:00:00Z"), "grade" : "A",
"score" : 9 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade"
: "A", "score" : 7 }, { "date" : ISODate("2011-09-29T00:00:00Z"),
"grade" : "A", "score" : 10 }], "name" : "Sal'S Deli",
"restaurant_id" : "40361618" }
{ "_id" : ObjectId("564c2d939eb21ad392f175df"), "grades" : [{
"date" : ISODate("2014-03-19T00:00:00Z"), "grade" : "A", "score" :
3 }, { "date" : ISODate("2013-03-13T00:00:00Z"), "grade" : "A",
"score" : 12 }, { "date" : ISODate("2012-03-27T00:00:00Z"),
"grade" : "A", "score" : 8 }, { "date" :
ISODate("2011-04-05T00:00:00Z"), "grade" : "A", "score" : 7 }],
"name" : "Steve Chu'S Deli & Grocery", "restaurant_id" :
"40361998" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e0"), "grades" : [{

"date" : ISODate("2014-09-15T00:00:00Z"), "grade" : "A", "score" :
10 }, { "date" : ISODate("2014-03-04T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2013-07-18T00:00:00Z"),
"grade" : "A", "score" : 13 }, { "date" :
ISODate("2013-01-09T00:00:00Z"), "grade" : "A", "score" : 11 }, {
"date" : ISODate("2012-04-10T00:00:00Z"), "grade" : "A", "score" :
10 }, { "date" : ISODate("2011-11-15T00:00:00Z"), "grade" : "A",
"scor
e" : 7 }], "name" : "Harriet'S Kitchen", "restaurant_id" :
"40362098" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e4"), "grades" : [{
"date" : ISODate("2014-04-21T00:00:00Z"), "grade" : "A", "score" :
10 }, { "date" : ISODate("2013-11-12T00:00:00Z"), "grade" : "A",
"score" : 5 }, { "date" : ISODate("2013-06-04T00:00:00Z"), "grade"
: "A", "score" : 12 }, { "date" : ISODate("2012-11-14T00:00:00Z"),
"grade" : "A", "score" : 10 }, { "date" :
ISODate("2012-10-11T00:00:00Z"), "grade" : "P", "score" : 0 }, {
"date" : ISODate("2012-05-24T00:00:00Z"), "grade" : "A", "score"
: 13 }, { "date" : ISODate("2011-12-08T00:00:00Z"), "grade" :
"A", "score" : 12 }, { "date" : ISODate("2011-07-20T00:00:00Z"),
"grade" : "A", "score" : 11 }], "name" : "Ho Mei Restaurant",
"restaurant_id" : "40362432" }
{ "_id" : ObjectId("564c2d939eb21ad392f175e5"), "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("564c2d939eb21ad392f175e6"), "grades" : [{
"date" : ISODate("2014-03-18T00:00:00Z"), "grade" : "A", "score" :
8 }, { "date" : ISODate("2013-03-18T00:00:00Z"), "grade" : "A",
"score" : 8 }, { "date" : ISODate("2012-10-10T00:00:00Z"), "grade"
: "A", "score" : 7 }, { "date" : ISODate("2011-09-22T00:00:00Z"),
"grade" : "A", "score" : 2 }], "name" : "White Castle",
"restaurant_id" : "40362344" }
{ "_id" : ObjectId("564c2d939eb21ad392f175eb"), "grades" : [{
"date" : ISODate("2014-10-17T00:00:00Z"), "grade" : "A", "score" :
11 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2013-04-30T00:00:00Z"),
"grade" : "A", "score" : 7 }, { "date" :
ISODate("2012-04-20T00:00:00Z"), "grade" : "A", "score" : 7 }, {

"date" : ISODate("2011-12-19T00:00:00Z"), "grade" : "A", "score" :
3 }], "name" : "Olive'S", "restaurant_id" : "40363151" }
{ "_id" : ObjectId("564c2d939eb21ad392f175ee"), "grades" : [{
"date" : ISODate("2014-02-21T00:00:00Z"), "grade" : "A", "score" :
3 }, { "date" : ISODate("2013-09-13T00:00:00Z"), "grade" : "A",
"score" : 3 }, { "date" : ISODate("2012-08-28T00:00:00Z"), "grade"
: "A", "score" : 0 }, { "date" : ISODate("2011-09-13T00:00:00Z"),
"grade" : "A", "score" : 12 }, { "date" :
ISODate("2011-05-03T00:00:00Z"), "grade" : "A", "score" : 5 }],
"name" : "Lexler Deli", "restaurant_id" : "40363426" }
{ "_id" : ObjectId("564c2d939eb21ad392f175f0"), "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("564c2d939eb21ad392f175f2"), "grades" : [{
"date" : ISODate("2014-08-05T00:00:00Z"), "grade" : "A", "score" :
3 }, { "date" : ISODate("2014-03-06T00:00:00Z"), "grade" : "A",
"score" : 11 }, { "date" : ISODate("2013-07-09T00:00:00Z"),
"grade" : "A", "score" : 12 }, { "date" :
ISODate("2013-01-30T00:00:00Z"), "grade" : "A", "score" : 4 }, {
"date" : ISODate("2012-01-05T00:00:00Z"), "grade" : "A", "score" :
2 }, { "date" : ISODate("2011-09-26T00:00:00Z"), "grade" : "A",
"score"
: 0 }], "name" : "Domino'S Pizza", "restaurant_id" : "40363644" }
{ "_id" : ObjectId("564c2d939eb21ad392f175f4"), "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("564c2d939eb21ad392f175fb"), "grades" : [{
"date" : ISODate("2014-11-18T00:00:00Z"), "grade" : "A", "score" :
12 }, { "date" : ISODate("2013-11-07T00:00:00Z"), "grade" : "A",
"score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"),
"grade" : "A", "score" : 7 }, { "date" :

```
ISODate("2012-03-20T00:00:00Z"), "grade" : "A", "score" : 5 } ],
"name" : "Plaza Bagels & Deli", "restaurant_id" : "40364286" }
{ "_id" : ObjectId("564c2d939eb21ad392f175fe"), "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("564c2d939eb21ad392f175ff"), "grades" : [ {
"date" : ISODate("2014-02-25T00:00:00Z"), "grade" : "A", "score" :
12 }, { "date" : ISODate("2013-06-27T00:00:00Z"), "grade" : "A",
"score" : 7 }, { "date" : ISODate("2012-12-03T00:00:00Z"), "grade"
: "A", "score" : 10 }, { "date" : ISODate("2011-11-09T00:00:00Z"),
"grade" : "A", "score" : 12 } ], "name" : "Philadelhia Grille
Express", "restaurant_id" : "40364305" }
Type "it" for more
```

26)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.restaurants.find({name:{regex:/mon/i}},{name:1,borough:1,addre
ss.coord.0:1,address.coord.1:1,cuisine:1})
{ "_id" : ObjectId("564c2d939eb21ad392f1765d"), "address" : {
"coord" : [ -73.98306099999999, 40.7441419 ] }, "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Desmond'S Tavern"
}
{ "_id" : ObjectId("564c2d939eb21ad392f17666"), "address" : {
"coord" : [ -73.8221418, 40.7272376 ] }, "borough" : "Queens",
"cuisine" : "Jewish/Kosher", "name" : "Shimons Kosher Pizza" }
{ "_id" : ObjectId("564c2d939eb21ad392f17672"), "address" : {
"coord" : [ -74.10465599999999, 40.58834 ] }, "borough" : "Staten
Island", "cuisine" : "American ", "name" : "Richmond County
Country Club" }
{ "_id" : ObjectId("564c2d939eb21ad392f176a7"), "address" : {
"coord" : [ -73.9812843, 40.5947365 ] }, "borough" : "Brooklyn",
"cuisine" : "Pizza/Italian", "name" : "Lb Spumoni Gardens" }
{ "_id" : ObjectId("564c2d939eb21ad392f176ee"), "address" : {
"coord" : [ -73.951199, 40.7166026 ] }, "borough" : "Brooklyn",
```

"cuisine" : "Italian", "name" : "Bamonte'S Restaurant" }
{ "_id" : ObjectId("564c2d939eb21ad392f17725"), "address" : {
"coord" : [-73.924072, 40.76108900000001] }, "borough" :
"Queens", "cuisine" : "Greek", "name" : "Omonia Cafe" }
{ "_id" : ObjectId("564c2d939eb21ad392f17775"), "address" : {
"coord" : [-74.0023353, 40.7333573] }, "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Manhattan Monster" }
{ "_id" : ObjectId("564c2d939eb21ad392f177a3"), "address" : {
"coord" : [-74.001094, 40.729583] }, "borough" : "Manhattan",
"cuisine" : "Italian", "name" : "Monte'S" }
{ "_id" : ObjectId("564c2d939eb21ad392f177a8"), "address" : {
"coord" : [-73.9901605, 40.7526176] }, "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Delmonico'S Kitchen" }
{ "_id" : ObjectId("564c2d939eb21ad392f177be"), "address" : {
"coord" : [-73.9979536, 40.6914024] }, "borough" : "Brooklyn",
"cuisine" : "Bottled beverages, including water, sodas, juices,
etc.", "name" : "Montero Bar & Grill" }
{ "_id" : ObjectId("564c2d939eb21ad392f17949"), "address" : {
"coord" : [-73.9707505, 40.7635651] }, "borough" : "Manhattan",
"cuisine" : "Delicatessen", "name" : "Delmonico Gourmet" }
{ "_id" : ObjectId("564c2d949eb21ad392f179b9"), "address" : {
"coord" : [-73.9760637, 40.7508686] }, "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Delmonico Gourmet" }
{ "_id" : ObjectId("564c2d949eb21ad392f179c9"), "address" : {
"coord" : [-73.9705633, 40.7605759] }, "borough" : "Manhattan",
"cuisine" : "Italian", "name" : "Montebello Restaurant" }
{ "_id" : ObjectId("564c2d949eb21ad392f17a62"), "address" : {
"coord" : [-74.1914658, 40.55274360000001] }, "borough" :
"Staten Island", "cuisine" : "Italian", "name" : "Villa Monte
Pizzeria" }
{ "_id" : ObjectId("564c2d949eb21ad392f17b0d"), "address" : {
"coord" : [-73.97198209999999, 40.764464] }, "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Harmonie Club" }
{ "_id" : ObjectId("564c2d949eb21ad392f17bd2"), "address" : {
"coord" : [-73.79571990000001, 40.7095637] }, "borough" :
"Queens", "cuisine" : "Bakery", "name" : "Ramona'S Bakery" }
{ "_id" : ObjectId("564c2d949eb21ad392f17c06"), "address" : {
"coord" : [-73.97852100000001, 40.729192] }, "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Mona'S" }
{ "_id" : ObjectId("564c2d949eb21ad392f17c2b"), "address" : {
"coord" : [-73.98463480000001, 40.7630755] }, "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Neil Simon

```
Theatre" }
{ "_id" : ObjectId("564c2d949eb21ad392f17c68"), "address" : {
"coord" : [ -73.9938361, 40.6091317 ] }, "borough" : "Brooklyn",
"cuisine" : "Bakery", "name" : "Mondial Bakery" }
{ "_id" : ObjectId("564c2d949eb21ad392f17c8c"), "address" : {
"coord" : [ -74.028486, 40.630438 ] }, "borough" : "Brooklyn",
"cuisine" : "Mediterranean", "name" : "Omonia Cafe" }
Type "it" for more
```

27)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.restaurants.find({name:{/^Mad/i}},{name:1,borough:1,address.co
ord.0:1,address.coord.1:1,cuisine:1})
{ "_id" : ObjectId("564c2d949eb21ad392f17b04"), "address" : {
"coord" : [ -73.9860597, 40.7431194 ] }, "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Madison Square" }
{ "_id" : ObjectId("564c2d949eb21ad392f17bd5"), "address" : {
"coord" : [ -73.98302199999999, 40.742313 ] }, "borough" :
"Manhattan", "cuisine" : "Indian", "name" : "Madras Mahal" }
{ "_id" : ObjectId("564c2d949eb21ad392f17e82"), "address" : {
"coord" : [ -74.000002, 40.72735 ] }, "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Madame X" }
{ "_id" : ObjectId("564c2d949eb21ad392f17f31"), "address" : {
"coord" : [ -73.98171959999999, 40.7499406 ] }, "borough" :
"Manhattan", "cuisine" : "French", "name" : "Madison Bistro" }
{ "_id" : ObjectId("564c2d949eb21ad392f17fba"), "address" : {
"coord" : [ -73.9717845, 40.6897199 ] }, "borough" : "Brooklyn",
"cuisine" : "African", "name" : "Madiba" }
{ "_id" : ObjectId("564c2d949eb21ad392f182bf"), "address" : {
"coord" : [ -73.9040753, 40.9069011 ] }, "borough" : "Bronx",
"cuisine" : "Italian", "name" : "Madison'S" }
{ "_id" : ObjectId("564c2d949eb21ad392f1833d"), "address" : {
"coord" : [ -73.9886598, 40.7565811 ] }, "borough" : "Manhattan",
"cuisine" : "Hotdogs", "name" : "Madame Tussaud'S" }
{ "_id" : ObjectId("564c2d949eb21ad392f18375"), "address" : {
"coord" : [ -73.9562371999999, 40.7761697 ] }, "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Mad River Bar &
Grille" }
{ "_id" : ObjectId("564c2d949eb21ad392f18b2c"), "address" : {
"coord" : [ -73.8885928, 40.8731713 ] }, "borough" : "Bronx",
```

```
"cuisine" : "American ", "name" : "Maddens Pub" }
{ "_id" : ObjectId("564c2d949eb21ad392f18cf4"), "address" : {
"coord" : [ -73.981973, 40.741028 ] }, "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Mad Hatter Saloon" }
{ "_id" : ObjectId("564c2d949eb21ad392f18e3f"), "address" : {
"coord" : [ -73.8077582, 40.7633975 ] }, "borough" : "Queens",
"cuisine" : "Korean", "name" : "Mad For Chicken" }
{ "_id" : ObjectId("564c2d949eb21ad392f192e7"), "address" : {
"coord" : [ -73.9857545, 40.7498305 ] }, "borough" : "Manhattan",
"cuisine" : "Korean", "name" : "Madangsui" }
{ "_id" : ObjectId("564c2d949eb21ad392f1951d"), "address" : {
"coord" : [ -73.97943400000001, 40.7521259 ] }, "borough" :
"Manhattan", "cuisine" : "American ", "name" : "Madison & Vine" }
{ "_id" : ObjectId("564c2d949eb21ad392f1955f"), "address" : {
"coord" : [ -74.0103118, 40.7042077 ] }, "borough" : "Manhattan",
"cuisine" : "Mexican", "name" : "Mad Dog & Beans" }
{ "_id" : ObjectId("564c2d949eb21ad392f196fc"), "address" : {
"coord" : [ -73.96974890000001, 40.64353699999999 ] }, "borough" :
"Brooklyn", "cuisine" : "Indian", "name" : "Madina Restaurant" }
{ "_id" : ObjectId("564c2d949eb21ad392f1993c"), "address" : {
"coord" : [ -74.002191, 40.7076992 ] }, "borough" : "Manhattan",
"cuisine" : "Café/Coffee/Tea", "name" : "Made Fresh Daily" }
{ "_id" : ObjectId("564c2d949eb21ad392f199a6"), "address" : {
"coord" : [ -73.924184, 40.68904 ] }, "borough" : "Brooklyn",
"cuisine" : "Pizza", "name" : "Maddy'S" }
{ "_id" : ObjectId("564c2d949eb21ad392f19bf7"), "address" : {
"coord" : [ -73.9650056, 40.7559881 ] }, "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Madison Restaurant" }
{ "_id" : ObjectId("564c2d949eb21ad392f1a258"), "address" : {
"coord" : [ -73.95314379999999, 40.7445573 ] }, "borough" :
"Queens", "cuisine" : "Latin (Cuban, Dominican, Puerto Rican,
South & Central American)", "name" : "Madera Cuban Grill" }
{ "_id" : ObjectId("564c2d949eb21ad392f1aa1a"), "address" : {
"coord" : [ -73.976501, 40.7570304 ] }, "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Madison Deli" }
Type "it" for more
```

28)Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5.

```
>db.restaurants.find({"grades.score":{$lt:5}})
```

```
{ "_id" : ObjectId("6422c0161238e3bec47ca5ff"), "address" : {
"building" : "1007", "coord" : [ -73.856077, 40.848447 ], "street"
: "Morris Park Ave", "zipcode" : "10462" }, "borough" : "Bronx",
"cuisine" : "Bakery", "grades" : [ { "date" : { "$date" :
1393804800000 }, "grade" : "A", "score" : 2 }, { "date" : {
"$date" : 1378857600000 }, "grade" : "A", "score" : 6 }, { "date"
: { "$date" : 1358985600000 }, "grade" : "A", "score" : 10 }, {
"date" : { "$date" : 1322006400000 }, "grade" : "A", "score" : 9
}, { "date" : { "$date" : 1299715200000 }, "grade" : "B", "score"
: 14 } ], "name" : "Morris Park Bake Shop", "restaurant_id" :
"30075445" }
{ "_id" : ObjectId("6422c0161238e3bec47ca601"), "address" : {
"building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ],
"street" : "West    57 Street", "zipcode" : "10019" }, "borough" :
"Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : {
"$date" : 1409961600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374451200000 }, "grade" : "A", "score" : 11 }, {
"date" : { "$date" : 1343692800000 }, "grade" : "A", "score" : 12
}, { "date" : { "$date" : 1325116800000 }, "grade" : "A", "score"
: 12 } ], "name" : "Dj Reynolds Pub And Restaurant",
"restaurant_id" : "30191841" }
.....
```

29)Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5 and that are located in the borough of Manhattan.

```
>db.restaurants.find({
"grades.score":{$lt:5},borough:"Manhattan"})
{ "_id" : ObjectId("6422c0161238e3bec47ca601"), "address" : {
"building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ],
"street" : "West    57 Street", "zipcode" : "10019" }, "borough" :
"Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : {
"$date" : 1409961600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374451200000 }, "grade" : "A", "score" : 11 }, {
"date" : { "$date" : 1343692800000 }, "grade" : "A", "score" : 12
}, { "date" : { "$date" : 1325116800000 }, "grade" : "A", "score"
: 12 } ], "name" : "Dj Reynolds Pub And Restaurant",
"restaurant_id" : "30191841" }
{ "_id" : ObjectId("6422c02c1238e3bec47ca60c"), "address" : {
"building" : "1", "coord" : [ -73.96926909999999, 40.7685235 ],
"street" : "East    66 Street", "zipcode" : "10065" }, "borough" :
"Manhattan", "cuisine" : "American ", "grades" : [ { "date" : {
```

```
"$date" : 1399420800000 }, "grade" : "A", "score" : 3 }, { "date"
: { "$date" : 1367539200000 }, "grade" : "A", "score" : 4 }, {
"date" : { "$date" : 1335744000000 }, "grade" : "A", "score" : 6
}, { "date" : { "$date" : 1324944000000 }, "grade" : "A", "score"
: 0 } ], "name" : "1 East 66Th Street Kitchen", "restaurant_id" :
"40359480" }
{ "_id" : ObjectId("6422c04d1238e3bec47ca618"), "address" : {
"building" : "18", "coord" : [ -73.996984, 40.72589 ], "street" :
"West Houston Street", "zipcode" : "10012" }, "borough" :
"Manhattan", "cuisine" : "American ", "grades" : [ { "date" : {
"$date" : 1396483200000 }, "grade" : "A", "score" : 9 }, { "date"
: { "$date" : 1365120000000 }, "grade" : "A", "score" : 4 }, {
"date" : { "$date" : 1332288000000 }, "grade" : "A", "score" : 13
}, { "date" : { "$date" : 1303862400000 }, "grade" : "A", "score"
: 5 } ], "name" : "Angelika Film Center", "restaurant_id" :
"40362274" }
.....
```

30)Write a MongoDB query to find the restaurants that have at least one grade with a score of less than 5 and that are located in the borough of Manhattan or Brooklyn.

```
>db.restaurants.find({"grades.score":{$lt:5},borough:{$in:["Manhat
tan", "Brooklyn"]}})
{ "_id" : ObjectId("6422c0161238e3bec47ca601"), "address" : {
"building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ],
"street" : "West  57 Street", "zipcode" : "10019" }, "borough" :
"Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : {
"$date" : 1409961600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374451200000 }, "grade" : "A", "score" : 11 }, {
"date" : { "$date" : 1343692800000 }, "grade" : "A", "score" : 12
}, { "date" : { "$date" : 1325116800000 }, "grade" : "A", "score"
: 12 } ], "name" : "Dj Reynolds Pub And Restaurant",
"restaurant_id" : "30191841" }
{ "_id" : ObjectId("6422c0181238e3bec47ca607"), "address" : {
"building" : "6409", "coord" : [ -74.00528899999999, 40.628886 ],
"street" : "11 Avenue", "zipcode" : "11219" }, "borough" :
"Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : {
"$date" : 1405641600000 }, "grade" : "A", "score" : 12 }, { "date"
: { "$date" : 1375142400000 }, "grade" : "A", "score" : 12 }, {
"date" : { "$date" : 1360713600000 }, "grade" : "A", "score" : 11
}, { "date" : { "$date" : 1345075200000 }, "grade" : "A", "score"
```

```
: 2 }, { "date" : { "$date" : 1313539200000 }, "grade" : "A",
"score" : 11 } ], "name" : "Regina Caterers", "restaurant_id" :
"40356649" }
.....
```

31)Write a MongoDB query to find the restaurants that have at least one grade with a
score of less than 5 and that are located in the borough of Manhattan or Brooklyn, and
their cuisine is not American.

```
>db.restaurants.find({"grades.score":{$lt: 5},borough:{
$in:["Manhattan","Brooklyn"]},cuisine:{$ne:"American" }})
{ "_id" : ObjectId("6422c0161238e3bec47ca601"), "address" : {
"building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ],
"street" : "West   57 Street", "zipcode" : "10019" }, "borough" :
"Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : {
"$date" : 1409961600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374451200000 }, "grade" : "A", "score" : 11 }, {
"date" : { "$date" : 1343692800000 }, "grade" : "A", "score" : 12
}, { "date" : { "$date" : 1325116800000 }, "grade" : "A", "score"
: 12 } ], "name" : "Dj Reynolds Pub And Restaurant",
"restaurant_id" : "30191841" }
{ "_id" : ObjectId("6422c0181238e3bec47ca607"), "address" : {
"building" : "6409", "coord" : [ -74.00528899999999, 40.628886 ],
"street" : "11 Avenue", "zipcode" : "11219" }, "borough" :
"Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : {
"$date" : 1405641600000 }, "grade" : "A", "score" : 12 }, { "date"
: { "$date" : 1375142400000 }, "grade" : "A", "score" : 12 }, {
"date" : { "$date" : 1360713600000 }, "grade" : "A", "score" : 11
}, { "date" : { "$date" : 1345075200000 }, "grade" : "A", "score"
: 2 }, { "date" : { "$date" : 1313539200000 }, "grade" : "A",
"score" : 11 } ], "name" : "Regina Caterers", "restaurant_id" :
"40356649" }
.....
```

32)Write a MongoDB query to find the restaurants that have at least one grade with a
score of less than 5 and that are located in the borough of Manhattan or Brooklyn, and
their cuisine is not American or Chinese.

```
>db.restaurants.find({"grades.score":{$lt:5},borough:{$in:["Manhat
tan","Brooklyn"]},cuisine:{$nin:["American", "Chinese"]}})
{ "_id" : ObjectId("6422c0161238e3bec47ca601"), "address" : {
"building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ],
```

"street" : "West   57 Street", "zipcode" : "10019" }, "borough" :
"Manhattan", "cuisine" : "Irish", "grades" : [{ "date" : {
"$date" : 1409961600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374451200000 }, "grade" : "A", "score" : 11 }, {
"date" : { "$date" : 1343692800000 }, "grade" : "A", "score" : 12
}, { "date" : { "$date" : 1325116800000 }, "grade" : "A", "score"
: 12 }], "name" : "Dj Reynolds Pub And Restaurant",
"restaurant_id" : "30191841" }
{ "_id" : ObjectId("6422c0181238e3bec47ca607"), "address" : {
"building" : "6409", "coord" : [-74.00528899999999, 40.628886],
"street" : "11 Avenue", "zipcode" : "11219" }, "borough" :
"Brooklyn", "cuisine" : "American ", "grades" : [{ "date" : {
"$date" : 1405641600000 }, "grade" : "A", "score" : 12 }, { "date"
: { "$date" : 1375142400000 }, "grade" : "A", "score" : 12 }, {
"date" : { "$date" : 1360713600000 }, "grade" : "A", "score" : 11
}, { "date" : { "$date" : 1345075200000 }, "grade" : "A", "score"
: 2 }, { "date" : { "$date" : 1313539200000 }, "grade" : "A",
"score" : 11 }], "name" : "Regina Caterers", "restaurant_id" :
"40356649" }
.....

33)Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6.

>db.restaurants.find({ "grades.score":{$all:[2, 6]}})
{ "_id" : ObjectId("6422c0161238e3bec47ca5ff"), "address" : {
"building" : "1007", "coord" : [-73.856077, 40.848447], "street"
: "Morris Park Ave", "zipcode" : "10462" }, "borough" : "Bronx",
"cuisine" : "Bakery", "grades" : [{ "date" : { "$date" :
1393804800000 }, "grade" : "A", "score" : 2 }, { "date" : {
"$date" : 1378857600000 }, "grade" : "A", "score" : 6 }, { "date"
: { "$date" : 1358985600000 }, "grade" : "A", "score" : 10 }, {
"date" : { "$date" : 1322006400000 }, "grade" : "A", "score" : 9
}, { "date" : { "$date" : 1299715200000 }, "grade" : "B", "score"
: 14 }], "name" : "Morris Park Bake Shop", "restaurant_id" :
"30075445" }
{ "_id" : ObjectId("6422c7461238e3bec47ca63f"), "address" : {
"building" : "261", "coord" : [-73.94839189999999, 40.7224876],
"street" : "Driggs Avenue", "zipcode" : "11222" }, "borough" :
"Brooklyn", "cuisine" : "Polish", "grades" : [{ "date" : {
"$date" : 1401494400000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1368144000000 }, "grade" : "A", "score" : 3 }, {

```
"date" : { "$date" : 1329436800000 }, "grade" : "A", "score" : 6
}, { "date" : { "$date" : 1318550400000 }, "grade" : "C", "score"
: 54 } ], "name" : "Polish National Home", "restaurant_id" :
"40364404" }
...
```

34)Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6 and are located in the borough of Manhattan.

```
>db.restaurants.find({"grades.score":{$all:[2,6]},borough:"Manhatt
an"})
{ "_id" : ObjectId("6422c7dd1238e3bec47ca655"), "address" : {
"building" : "567", "coord" : [ -74.00619499999999, 40.735663 ],
"street" : "Hudson Street", "zipcode" : "10014" }, "borough" :
"Manhattan", "cuisine" : "American ", "grades" : [ { "date" : {
"$date" : 1406505600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374710400000 }, "grade" : "A", "score" : 7 }, {
"date" : { "$date" : 1360022400000 }, "grade" : "A", "score" : 2
}, { "date" : { "$date" : 1338249600000 }, "grade" : "A", "score"
: 6 }, { "date" : { "$date" : 1324598400000 }, "grade" : "A",
"score" : 5 } ], "name" : "White Horse Tavern", "restaurant_id" :
"40364958" }
{ "_id" : ObjectId("6422cadd1238e3bec47ca661"), "address" : {
"building" : "842", "coord" : [ -73.97063700000001, 40.751495 ],
"street" : "2 Avenue", "zipcode" : "10017" }, "borough" :
"Manhattan", "cuisine" : "American ", "grades" : [ { "date" : {
"$date" : 1405987200000 }, "grade" : "A", "score" : 6 }, { "date"
: { "$date" : 1369699200000 }, "grade" : "A", "score" : 2 }, {
"date" : { "$date" : 1338249600000 }, "grade" : "A", "score" : 8
}, { "date" : { "$date" : 1325721600000 }, "grade" : "A", "score"
: 9 }, { "date" : { "$date" : 1312934400000 }, "grade" : "B",
"score" : 24 } ], "name" : "Keats Restaurant", "restaurant_id" :
"40365288" }
.....
```

35)Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6 and are located in the borough of Manhattan or Brooklyn.

```
>db.restaurants.find({"grades.score":{$all:[2,6]},borough:{$in:["M
anhattan","Brooklyn"]}})
{ "_id" : ObjectId("6422c7461238e3bec47ca63f"), "address" : {
"building" : "261", "coord" : [ -73.94839189999999, 40.7224876 ],
"street" : "Driggs Avenue", "zipcode" : "11222" }, "borough" :
```

```
"Brooklyn", "cuisine" : "Polish", "grades" : [ { "date" : {
"$date" : 1401494400000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1368144000000 }, "grade" : "A", "score" : 3 }, {
"date" : { "$date" : 1329436800000 }, "grade" : "A", "score" : 6
}, { "date" : { "$date" : 1318550400000 }, "grade" : "C", "score"
: 54 } ], "name" : "Polish National Home", "restaurant_id" :
"40364404" }
{ "_id" : ObjectId("6422c7dd1238e3bec47ca655"), "address" : {
"building" : "567", "coord" : [ -74.00619499999999, 40.735663 ],
"street" : "Hudson Street", "zipcode" : "10014" }, "borough" :
"Manhattan", "cuisine" : "American ", "grades" : [ { "date" : {
"$date" : 1406505600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374710400000 }, "grade" : "A", "score" : 7 }, {
"date" : { "$date" : 1360022400000 }, "grade" : "A", "score" : 2
}, { "date" : { "$date" : 1338249600000 }, "grade" : "A", "score"
: 6 }, { "date" : { "$date" : 1324598400000 }, "grade" : "A",
"score" : 5 } ], "name" : "White Horse Tavern", "restaurant_id" :
"40364958" }
.....
```

36)Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6 and are located in the borough of Manhattan or Brooklyn, and their cuisine is not American.

```
>db.restaurants.find({"grades.score":{$all:[2,6]},borough:{$in:["M
anhattan","Brooklyn"]},cuisine: {$ne:"American"}})
{ "_id" : ObjectId("6422c7461238e3bec47ca63f"), "address" : {
"building" : "261", "coord" : [ -73.94839189999999, 40.7224876 ],
"street" : "Driggs Avenue", "zipcode" : "11222" }, "borough" :
"Brooklyn", "cuisine" : "Polish", "grades" : [ { "date" : {
"$date" : 1401494400000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1368144000000 }, "grade" : "A", "score" : 3 }, {
"date" : { "$date" : 1329436800000 }, "grade" : "A", "score" : 6
}, { "date" : { "$date" : 1318550400000 }, "grade" : "C", "score"
: 54 } ], "name" : "Polish National Home", "restaurant_id" :
"40364404" }
{ "_id" : ObjectId("6422c7dd1238e3bec47ca655"), "address" : {
"building" : "567", "coord" : [ -74.00619499999999, 40.735663 ],
"street" : "Hudson Street", "zipcode" : "10014" }, "borough" :
"Manhattan", "cuisine" : "American ", "grades" : [ { "date" : {
"$date" : 1406505600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374710400000 }, "grade" : "A", "score" : 7 }, {
```

```
"date" : { "$date" : 1360022400000 }, "grade" : "A", "score" : 2
}, { "date" : { "$date" : 1338249600000 }, "grade" : "A", "score"
: 6 }, { "date" : { "$date" : 1324598400000 }, "grade" : "A",
"score" : 5 } ], "name" : "White Horse Tavern", "restaurant_id" :
"40364958" }
.....
```

37)Write a MongoDB query to find the restaurants that have a grade with a score of 2 and a grade with a score of 6 and are located in the borough of Manhattan or Brooklyn, and their cuisine is not American or Chinese.

```
>db.restaurants.find({"grades.score":{$all:[2, 6]},borough: { $in:
["Manhattan", "Brooklyn"]},cuisine: { $nin: ["American",
"Chinese"]}})
{ "_id" : ObjectId("6422c7461238e3bec47ca63f"), "address" : {
"building" : "261", "coord" : [ -73.94839189999999, 40.7224876 ],
"street" : "Driggs Avenue", "zipcode" : "11222" }, "borough" :
"Brooklyn", "cuisine" : "Polish", "grades" : [ { "date" : {
"$date" : 1401494400000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1368144000000 }, "grade" : "A", "score" : 3 }, {
"date" : { "$date" : 1329436800000 }, "grade" : "A", "score" : 6
}, { "date" : { "$date" : 1318550400000 }, "grade" : "C", "score"
: 54 } ], "name" : "Polish National Home", "restaurant_id" :
"40364404" }
{ "_id" : ObjectId("6422c7dd1238e3bec47ca655"), "address" : {
"building" : "567", "coord" : [ -74.00619499999999, 40.735663 ],
"street" : "Hudson Street", "zipcode" : "10014" }, "borough" :
"Manhattan", "cuisine" : "American ", "grades" : [ { "date" : {
"$date" : 1406505600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374710400000 }, "grade" : "A", "score" : 7 }, {
"date" : { "$date" : 1360022400000 }, "grade" : "A", "score" : 2
}, { "date" : { "$date" : 1338249600000 }, "grade" : "A", "score"
: 6 }, { "date" : { "$date" : 1324598400000 }, "grade" : "A",
"score" : 5 } ], "name" : "White Horse Tavern", "restaurant_id" :
"40364958" }
.....
```

38)Write a MongoDB query to find the restaurants that have a grade with a score of 2 or a grade with a score of 6.

```
>db.restaurants.find({"grades.score":{$in:[2,6]}})
```

```
{ "_id" : ObjectId("6422c0161238e3bec47ca5ff"), "address" : {
"building" : "1007", "coord" : [ -73.856077, 40.848447 ], "street"
: "Morris Park Ave", "zipcode" : "10462" }, "borough" : "Bronx",
"cuisine" : "Bakery", "grades" : [ { "date" : { "$date" :
1393804800000 }, "grade" : "A", "score" : 2 }, { "date" : {
"$date" : 1378857600000 }, "grade" : "A", "score" : 6 }, { "date"
: { "$date" : 1358985600000 }, "grade" : "A", "score" : 10 }, {
"date" : { "$date" : 1322006400000 }, "grade" : "A", "score" : 9
}, { "date" : { "$date" : 1299715200000 }, "grade" : "B", "score"
: 14 } ], "name" : "Morris Park Bake Shop", "restaurant_id" :
"30075445" }
{ "_id" : ObjectId("6422c0161238e3bec47ca601"), "address" : {
"building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ],
"street" : "West    57 Street", "zipcode" : "10019" }, "borough" :
"Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : {
"$date" : 1409961600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374451200000 }, "grade" : "A", "score" : 11 }, {
"date" : { "$date" : 1343692800000 }, "grade" : "A", "score" : 12
}, { "date" : { "$date" : 1325116800000 }, "grade" : "A", "score"
: 12 } ], "name" : "Dj Reynolds Pub And Restaurant",
"restaurant_id" : "30191841" }


.....
```

39) Write a MongoDB query to find the restaurants that have a grade with a score of 2 or a grade with a score of 6 and are located in the borough of Manhattan.

```
>db.restaurants.find({"grades.score":{$in:[2, 6]},borough:
"Manhattan" })
{ "_id" : ObjectId("6422c0161238e3bec47ca601"), "address" : {
"building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ],
"street" : "West    57 Street", "zipcode" : "10019" }, "borough" :
"Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : {
"$date" : 1409961600000 }, "grade" : "A", "score" : 2 }, { "date"
: { "$date" : 1374451200000 }, "grade" : "A", "score" : 11 }, {
"date" : { "$date" : 1343692800000 }, "grade" : "A", "score" : 12
}, { "date" : { "$date" : 1325116800000 }, "grade" : "A", "score"
: 12 } ], "name" : "Dj Reynolds Pub And Restaurant",
"restaurant_id" : "30191841" }
{ "_id" : ObjectId("6422c02c1238e3bec47ca60c"), "address" : {
"building" : "1", "coord" : [ -73.96926909999999, 40.7685235 ],
```

"street" : "East   66 Street", "zipcode" : "10065" }, "borough" :
"Manhattan", "cuisine" : "American ", "grades" : [{ "date" : {
"$date" : 1399420800000 }, "grade" : "A", "score" : 3 }, { "date"
: { "$date" : 1367539200000 }, "grade" : "A", "score" : 4 }, {
"date" : { "$date" : 1335744000000 }, "grade" : "A", "score" : 6
}, { "date" : { "$date" : 1324944000000 }, "grade" : "A", "score"
: 0 }], "name" : "1 East 66Th Street Kitchen", "restaurant_id" :
"40359480" }

.....

40)Write a MongoDB query to find the restaurants that have a grade with a score of 2 or a grade with a score of 6 and are located in the borough of Manhattan or Brooklyn.

```
>db.restaurants.find({"grades.score":{$in:[2,6]},borough:
{$in:["Manhattan", "Brooklyn"]}})
{ "_id" : ObjectId("6422c0161238e3bec47ca601"), "address" : {
"building" : "351", "coord" : [ -73.98513559999999,
40.7676919 ], "street" : "West    57 Street", "zipcode" :
"10019" }, "borough" : "Manhattan", "cuisine" : "Irish",
"grades" : [ { "date" : { "$date" : 1409961600000 }, "grade"
: "A", "score" : 2 }, { "date" : { "$date" : 1374451200000 },
"grade" : "A", "score" : 11 }, { "date" : { "$date" :
1343692800000 }, "grade" : "A", "score" : 12 }, { "date" : {
"$date" : 1325116800000 }, "grade" : "A", "score" : 12 } ],
"name" : "Dj Reynolds Pub And Restaurant", "restaurant_id" :
"30191841" }
{ "_id" : ObjectId("6422c0181238e3bec47ca607"), "address" : {
"building" : "6409", "coord" : [ -74.00528899999999,
40.628886 ], "street" : "11 Avenue", "zipcode" : "11219" },
"borough" : "Brooklyn", "cuisine" : "American ", "grades" : [
{ "date" : { "$date" : 1405641600000 }, "grade" : "A",
"score" : 12 }, { "date" : { "$date" : 1375142400000 },
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