

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

```
db.restaurent.find().pretty();
```

```
    "zipcode" : "11214",
  },
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "grades" : [
    {
      "date" : ISODate("2014-04-16T00:00:00Z"),
      "grade" : "A",
      "score" : 5
    },
    {
      "date" : ISODate("2013-04-23T00:00:00Z"),
      "grade" : "A",
      "score" : 2
    },
    {
      "date" : ISODate("2012-04-24T00:00:00Z"),
      "grade" : "A",
      "score" : 5
    },
    {
      "date" : ISODate("2011-12-16T00:00:00Z"),
      "grade" : "A",
      "score" : 2
    }
  ],
  "name" : "C & C Catering Service",
  "restaurant_id" : "40357437"
}
{
  "_id" : ObjectId("643af47d129cf64300061b76"),
  "address" : {
    "building" : "522",
    "coord" : [
      -73.95171,
      40.767461
    ],
    "street" : "East 74 Street",
    "zipcode" : "10021"
  },
  "borough" : "Manhattan",
  "cuisine" : "American",
  "grades" : [
    {
      "date" : ISODate("2014-09-02T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
```

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

```
db.restaurent.find({}, {name:1, borough:1, cuisine:1, restaurant_id:1}).pretty();
```

```
> db.restaurent.find({}, {name:1, borough:1, cuisine:1, restaurant_id:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b64"),
  "borough" : "Manhattan",
  "cuisine" : "Irish",
  "name" : "Dj Reynolds Pub And Restaurant",
  "restaurant_id" : "30191841"
}
{
  "_id" : ObjectId("643af47d129cf64300061b65"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Riviera Caterer",
  "restaurant_id" : "40356018"
}
{
  "_id" : ObjectId("643af47d129cf64300061b66"),
  "borough" : "Bronx",
  "cuisine" : "Bakery",
  "name" : "Morris Park Bake Shop",
  "restaurant_id" : "30075445"
}
{
  "_id" : ObjectId("643af47d129cf64300061b67"),
  "borough" : "Queens",
  "cuisine" : "Jewish/Kosher",
  "name" : "Tov Kosher Kitchen",
  "restaurant_id" : "40356068"
}
{
  "_id" : ObjectId("643af47d129cf64300061b68"),
  "borough" : "Queens",
  "cuisine" : "American",
  "name" : "Brunos On The Boulevard",
  "restaurant_id" : "40356151"
}
{
  "_id" : ObjectId("643af47d129cf64300061b69"),
  "borough" : "Staten Island",
  "cuisine" : "Jewish/Kosher",
  "name" : "Kosher Island",
  "restaurant_id" : "40356442"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6a"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Regina Caterers",
  "restaurant_id" : "40356649"
}
```

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.restaurant.find({}, {_id:0,name:1,borough:1,cuisine:1,restaurant_id:1}).pretty();
```

```
> db.restaurant.find({}, {_id:0,name:1,borough:1,cuisine:1,restaurant_id:1}).pretty();
{
  "borough" : "Manhattan",
  "cuisine" : "Irish",
  "name" : "Dj Reynolds Pub And Restaurant",
  "restaurant_id" : "30191841"
}
{
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Riviera Caterer",
  "restaurant_id" : "40356018"
}
{
  "borough" : "Bronx",
  "cuisine" : "Bakery",
  "name" : "Morris Park Bake Shop",
  "restaurant_id" : "30075445"
}
{
  "borough" : "Queens",
  "cuisine" : "Jewish/Kosher",
  "name" : "Tov Kosher Kitchen",
  "restaurant_id" : "40356068"
}
{
  "borough" : "Queens",
  "cuisine" : "American",
  "name" : "Brunos On The Boulevard",
  "restaurant_id" : "40356151"
}
{
  "borough" : "Staten Island",
  "cuisine" : "Jewish/Kosher",
  "name" : "Kosher Island",
  "restaurant_id" : "40356442"
}
{
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Regina Caterers",
  "restaurant_id" : "40356649"
}
{
  "borough" : "Brooklyn",
  "cuisine" : "Hamburgers",
  "name" : "Wendy'S",

```

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.restaurent.find({}, {restaurant_id:1,name:1,borough:1,"address.zipcode":1,_id:0}).pretty();
```

```
> db.restaurent.find({}, {restaurant_id:1,name:1,borough:1,"address.zipcode":1,_id:0}).pretty();
  "address" : {
    "zipcode" : "10019"
  },
  "borough" : "Manhattan",
  "name" : "Dj Reynolds Pub And Restaurant",
  "restaurant_id" : "30191841"

  "address" : {
    "zipcode" : "11224"
  },
  "borough" : "Brooklyn",
  "name" : "Riviera Caterer",
  "restaurant_id" : "40356018"

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

  "address" : {
    "zipcode" : "11374"
  },
  "borough" : "Queens",
  "name" : "Tov Kosher Kitchen",
  "restaurant_id" : "40356068"

  "address" : {
    "zipcode" : "11369"
  },
  "borough" : "Queens",
  "name" : "Brunos On The Boulevard",
  "restaurant_id" : "40356151"

  "address" : {
    "zipcode" : "10314"
  },
  "borough" : "Staten Island",
  "name" : "Kosher Island",
  "restaurant_id" : "40356442"
```

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

```
db.restaurent.find({borough:'Bronx'}).pretty();
```

```
> db.restaurent.find({borough:'Bronx'}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b66"),
  "address" : {
    "building" : "1007",
    "coord" : [
      -73.856077,
      40.848447
    ],
    "street" : "Morris Park Ave",
    "zipcode" : "10462"
  },
  "borough" : "Bronx",
  "cuisine" : "Bakery",
  "grades" : [
    {
      "date" : ISODate("2014-03-03T00:00:00Z"),
      "grade" : "A",
      "score" : 2
    },
    {
      "date" : ISODate("2013-09-11T00:00:00Z"),
      "grade" : "A",
      "score" : 6
    },
    {
      "date" : ISODate("2013-01-24T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    },
    {
      "date" : ISODate("2011-11-23T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2011-03-10T00:00:00Z"),
      "grade" : "B",
      "score" : 14
    }
  ],
  "name" : "Morris Park Bake Shop",
  "restaurant_id" : "30075445"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6e"),
  "address" : {
    "building" : "2300",
    "coord" : [
```

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

```
db.restaurent.find({borough:'Bronx'}).limit(5).pretty();
```

```
> db.restaurent.find({borough:'Bronx'}).limit(5).pretty();
[
  {
    "_id" : ObjectId("643af47d129cf64300061b66"),
    "address" : {
      "building" : "1007",
      "coord" : [
        -73.856077,
        40.848447
      ],
      "street" : "Morris Park Ave",
      "zipcode" : "10462"
    },
    "borough" : "Bronx",
    "cuisine" : "Bakery",
    "grades" : [
      {
        "date" : ISODate("2014-03-03T00:00:00Z"),
        "grade" : "A",
        "score" : 2
      },
      {
        "date" : ISODate("2013-09-11T00:00:00Z"),
        "grade" : "A",
        "score" : 6
      },
      {
        "date" : ISODate("2013-01-24T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2011-11-23T00:00:00Z"),
        "grade" : "A",
        "score" : 9
      },
      {
        "date" : ISODate("2011-03-10T00:00:00Z"),
        "grade" : "B",
        "score" : 14
      }
    ],
    "name" : "Morris Park Bake Shop",
    "restaurant_id" : "30075445"
  },
  {
    "_id" : ObjectId("643af47d129cf64300061b6e"),
    "address" : {
      "building" : "2300",
      "coord" : [
        -73.8786113,
```

```

        "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("643af47d129cf64300061b83"),
    "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"),

```

```

        "date" : ISODate("2014-04-24T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    },
    {
        "date" : ISODate("2013-09-05T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    },
    {
        "date" : ISODate("2013-02-21T00:00:00Z"),
        "grade" : "A",
        "score" : 9
    },
    {
        "date" : ISODate("2012-07-03T00:00:00Z"),
        "grade" : "A",
        "score" : 11
    },
    {
        "date" : ISODate("2011-07-11T00:00:00Z"),
        "grade" : "A",
        "score" : 5
    }
],
"name" : "Carvel Ice Cream",
"restaurant_id" : "40363093"
}
{
    "_id" : ObjectId("643af47d129cf64300061b8e"),
    "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",

```



```

        {
            "date" : ISODate("2012-06-12T00:00:00Z"),
            "grade" : "B",
            "score" : 15
        }
    ],
    "name" : "Happy Garden",
    "restaurant_id" : "40363289"
}
{
    "_id" : ObjectId("643af47d129cf64300061b97"),
    "address" : {
        "building" : "277",
        "coord" : [
            -73.8941893,
            40.8634684
        ],
        "street" : "East Kingsbridge Road",
        "zipcode" : "10458"
    },
    "borough" : "Bronx",
    "cuisine" : "Chinese",
    "grades" : [
        {
            "date" : ISODate("2014-03-03T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2013-09-26T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2013-03-19T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2012-08-29T00:00:00Z"),
            "grade" : "A",
            "score" : 11
        },
        {
            "date" : ISODate("2011-08-17T00:00:00Z"),
            "grade" : "A",
            "score" : 13
        }
    ],
    "name" : "Happy Garden",

```

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

```
@(shell):1.1
> db.restaurent.find().limit(5).skip(5).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b69"),
  "address" : {
    "building" : "2206",
    "coord" : [
      -74.1377286,
      40.6119572
    ],
    "street" : "Victory Boulevard",
    "zipcode" : "10314"
  },
  "borough" : "Staten Island",
  "cuisine" : "Jewish/Kosher",
  "grades" : [
    {
      "date" : ISODate("2014-10-06T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2014-05-20T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2013-04-04T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2012-01-24T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    }
  ],
  "name" : "Kosher Island",
  "restaurant_id" : "40356442"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6a"),
  "address" : {
    "building" : "6409",
    "coord" : [
      -74.00528899999999,
      40.628886
    ],
    "street" : "11 Avenue",
    "zipcode" : "11219"
  },
  "borough" : "Queens",
  "cuisine" : "Chinese",
  "grades" : [
    {
      "date" : ISODate("2014-10-06T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2014-05-20T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2013-04-04T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2012-01-24T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    }
  ],
  "name" : "11 Avenue",
  "restaurant_id" : "40356443"
}
```

```

    "borough" : "Brooklyn",
    "cuisine" : "American",
    "grades" : [
      {
        "date" : ISODate("2014-07-18T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      },
      {
        "date" : ISODate("2013-07-30T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      },
      {
        "date" : ISODate("2013-02-13T00:00:00Z"),
        "grade" : "A",
        "score" : 11
      },
      {
        "date" : ISODate("2012-08-16T00:00:00Z"),
        "grade" : "A",
        "score" : 2
      },
      {
        "date" : ISODate("2011-08-17T00:00:00Z"),
        "grade" : "A",
        "score" : 11
      }
    ],
    "name" : "Regina Caterers",
    "restaurant_id" : "40356649"
  }
}

{
  "_id" : ObjectId("643af47d129cf64300061b6b"),
  "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("643af47d129cf64300061b6c"),
"address" : {
    "building" : "7114",
    "coord" : [
        -73.9068506,
        40.6199034
    ],
    "street" : "Avenue U",
    "zipcode" : "11234"
},
"borough" : "Brooklyn",
"cuisine" : "Delicatessen",
"grades" : [
    {
        "date" : ISODate("2014-05-29T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    },
    {
        "date" : ISODate("2014-01-14T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    },
    {
        "date" : ISODate("2013-08-03T00:00:00Z"),
        "grade" : "A",
        "score" : 8
    },
    {
        "date" : ISODate("2012-07-18T00:00:00Z"),
        "grade" : "A",
```

C:\windows\system32\cmd.exe - mongo

```
        "date" : ISODate("2012-07-18T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    },
    {
        "date" : ISODate("2012-03-09T00:00:00Z"),
        "grade" : "A",
        "score" : 13
    },
    {
        "date" : ISODate("2011-10-14T00:00:00Z"),
        "grade" : "A",
        "score" : 9
    }
],
"name" : "Wilken'S Fine Food",
"restaurant_id" : "40356483"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6d"),
  "address" : {
    "building" : "1839",
    "coord" : [
      -73.9482609,
      40.6408271
    ],
    "street" : "Nostrand Avenue",
    "zipcode" : "11226"
  },
  "borough" : "Brooklyn",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "grades" : [
    {
      "date" : ISODate("2014-07-14T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2013-07-10T00:00:00Z"),
      "grade" : "A",
      "score" : 8
    },
    {
      "date" : ISODate("2012-07-11T00:00:00Z"),
      "grade" : "A",
      "score" : 5
    },
    {
      "date" : ISODate("2012-02-23T00:00:00Z"),
      "grade" : "A",
```

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

```
> db.restaurent.find({"grades.score":{"$gte:90}}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061cc3"),
  "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("643af47d129cf64300061d63"),
  "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("643af47d129cf64300061ec5"),
  "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("643af47e129cf64300063e3a"),
  "address" : {
    "building" : "320",

```



```

    "_id" : ObjectId("643af47e129cf64300063e3a"),
    "address" : {
      "building" : "320",
      "coord" : [
        -73.9934047,
        40.7544014
      ],
      "street" : "West 37 Street",
      "zipcode" : "10018"
    },
    "borough" : "Manhattan",
    "cuisine" : "American",
    "grades" : [
      {
        "date" : ISODate("2014-09-16T00:00:00Z"),
        "grade" : "C",
        "score" : 90
      },
      {
        "date" : ISODate("2014-02-21T00:00:00Z"),
        "grade" : "B",
        "score" : 27
      },
      {
        "date" : ISODate("2012-10-01T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      },
      {
        "date" : ISODate("2012-03-01T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      }
    ],
    "name" : "Concrete Restaurant",
    "restaurant_id" : "41363541"
  },
  {
    "_id" : ObjectId("643af47e129cf64300064eed"),
    "address" : {
      "building" : "1724",
      "coord" : [
        -73.94981,
        40.780043
      ],
      "street" : "2 Avenue",
      "zipcode" : "10128"
    },
    "borough" : "Manhattan",
    "cuisine" : "Indian",

```

```
    },
    "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.

```
C:\Windows\system32\cmd.exe - mongo
> db.restaurent.find({'grades.score':{'$gt:80,$lt:100'}}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061cc3"),
  "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("643af47d129cf64300061d63"),
    "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("643af47d129cf64300061ec5"),
    "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("643af47d129cf64300062733"),
    "address" : {
      "building" : "",
      "coord" : [

```

```

        "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("643af47d129cf64300062c6f"),
    "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"),

```

```
"_id" : ObjectId("643af47d129cf64300062ca2"),
"address" : {
  "building" : "466",
  "coord" : [
    -73.9747277,
    40.7536114
  ],
  "street" : "Lexington Avenue",
  "zipcode" : "10017"
},
"borough" : "Manhattan",
"cuisine" : "American",
"grades" : [
  {
    "date" : ISODate("2014-10-14T00:00:00Z"),
    "grade" : "C",
    "score" : 84
  },
  {
    "date" : ISODate("2014-02-14T00:00:00Z"),
    "grade" : "A",
    "score" : 5
  },
  {
    "date" : ISODate("2013-07-11T00:00:00Z"),
    "grade" : "A",
    "score" : 10
  },
  {
    "date" : ISODate("2013-01-29T00:00:00Z"),
    "grade" : "C",
    "score" : 36
  },
  {
    "date" : ISODate("2012-08-15T00:00:00Z"),
    "grade" : "A",
    "score" : 12
  },
  {
    "date" : ISODate("2012-03-22T00:00:00Z"),
    "grade" : "B",
    "score" : 27
  }
],
"name" : "Bistro Caterers",
"restaurant_id" : "40987023"

"_id" : ObjectId("643af47e129cf64300063e3a"),
"address" : {
```

SELECT C:\windows\system32\cmd.exe mongo

```
        "building" : "320",
        "coord" : [
            -73.9934047,
            40.7544014
        ],
        "street" : "West 37 Street",
        "zipcode" : "10018"
    },
    "borough" : "Manhattan",
    "cuisine" : "American",
    "grades" : [
        {
            "date" : ISODate("2014-09-16T00:00:00Z"),
            "grade" : "C",
            "score" : 90
        },
        {
            "date" : ISODate("2014-02-21T00:00:00Z"),
            "grade" : "B",
            "score" : 27
        },
        {
            "date" : ISODate("2012-10-01T00:00:00Z"),
            "grade" : "A",
            "score" : 12
        },
        {
            "date" : ISODate("2012-03-01T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        }
    ],
    "name" : "Concrete Restaurant",
    "restaurant_id" : "41363541"
},
{
    "_id" : ObjectId("643af47e129cf64300064227"),
    "address" : {
        "building" : "222",
        "coord" : [
            -73.9579033,
            40.7332745
        ],
        "street" : "Franklin Street",
        "zipcode" : "11222"
    },
    "borough" : "Brooklyn",
    "cuisine" : "Italian",
    "grades" : [
        {
```



```

        "score" : 12
      },
      {
        "date" : ISODate("2013-03-20T00:00:00Z"),
        "grade" : "B",
        "score" : 24
      },
      {
        "date" : ISODate("2012-07-18T00:00:00Z"),
        "grade" : "B",
        "score" : 18
      },
      {
        "date" : ISODate("2012-01-12T00:00:00Z"),
        "grade" : "C",
        "score" : 81
      }
    ],
    "name" : "Anella",
    "restaurant_id" : "41410058"
  }
}
{
  "_id" : ObjectId("643af47e129cf64300064eed"),
  "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
    }
  ],

```

```

    "name" : "Baluchi'S Indian Food",
    "restaurant_id" : "41569277"
  }
}

  "_id" : ObjectId("643af47e129cf64300064f7c"),
  "address" : {
    "building" : "116",
    "coord" : [
      -73.98978509999999,
      40.7487912
    ],
    "street" : "West 32 Street",
    "zipcode" : "10001"
  },
  "borough" : "Manhattan",
  "cuisine" : "American",
  "grades" : [
    {
      "date" : ISODate("2014-02-11T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2013-10-10T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2013-04-29T00:00:00Z"),
      "grade" : "C",
      "score" : 82
    },
    {
      "date" : ISODate("2012-04-30T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2011-12-21T00:00:00Z"),
      "grade" : "B",
      "score" : 19
    },
    {
      "date" : ISODate("2011-07-20T00:00:00Z"),
      "grade" : "C",
      "score" : 29
    }
  ],
  "name" : "Cafe R",
  "restaurant_id" : "41574642"
}

```

```

        "grade" : "A",
        "score" : 11
    },
    {
        "date" : ISODate("2013-06-13T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    }
],
"name" : "D & Y Restaurant",
"restaurant_id" : "50000040"
}
{
    "_id" : ObjectId("643af47f129cf6430006774e"),
    "address" : {
        "building" : "1898",
        "coord" : [
            -73.910439,
            40.8499696
        ],
        "street" : "Jerome Avenue",
        "zipcode" : "10453"
    },
    "borough" : "Bronx",
    "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)",
    "grades" : [
        {
            "date" : ISODate("2015-01-06T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2014-10-07T00:00:00Z"),
            "grade" : "C",
            "score" : 82
        }
    ],
    "name" : "La Potencia Restaurant",
    "restaurant_id" : "50014192"
}
>

```

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

```
db.restaurent.find({"address.coord.0":{"$lt:-95}}).pretty();
```

```
> db.restaurent.find({"address.coord.0":{"$lt:-95}}).pretty();
{
  "_id" : ObjectId("643af47d129cf643000621b3"),
  "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("643af47d129cf64300062517"),
    "address" : {
      "building" : "15259",
      "coord" : [
        -119.6368672,
        36.2504996
      ],
      "street" : "10 Avenue",
      "zipcode" : "11357"
    },
    "borough" : "Queens",
    "cuisine" : "Italian",
    "grades" : [
      {
        "date" : ISODate("2014-09-04T00:00:00Z"),
        "grade" : "A",
        "score" : 11
      },
      {
        "date" : ISODate("2014-03-26T00:00:00Z"),
        "grade" : "A",
        "score" : 8
      },
      {
        "date" : ISODate("2013-03-04T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2012-09-27T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2012-04-20T00:00:00Z"),
        "grade" : "A",
        "score" : 7
      },
      {
        "date" : ISODate("2011-11-23T00:00:00Z"),
        "grade" : "C",
        "score" : 34
      }
    ],
    "name" : "Cascarino'S",
    "restaurant_id" : "40668681"
  },
  {
    "_id" : ObjectId("643af47d129cf643000629bc"),
    "address" : {
      "building" : "15259",
      "coord" : [
        -119.6368672,
        36.2504996
      ],
      "street" : "10 Avenue",
      "zipcode" : "11357"
    },
    "borough" : "Queens",
    "cuisine" : "Italian",
    "grades" : [
      {
        "date" : ISODate("2014-09-04T00:00:00Z"),
        "grade" : "A",
        "score" : 11
      },
      {
        "date" : ISODate("2014-03-26T00:00:00Z"),
        "grade" : "A",
        "score" : 8
      },
      {
        "date" : ISODate("2013-03-04T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2012-09-27T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2012-04-20T00:00:00Z"),
        "grade" : "A",
        "score" : 7
      },
      {
        "date" : ISODate("2011-11-23T00:00:00Z"),
        "grade" : "C",
        "score" : 34
      }
    ],
    "name" : "Cascarino'S",
    "restaurant_id" : "40668681"
  }
]

```

```

    "address" : {
      "building" : "60",
      "coord" : [
        -111.9975205,
        42.0970258
      ],
      "street" : "West Side Highway",
      "zipcode" : "10006"
    },
    "borough" : "Manhattan",
    "cuisine" : "Japanese",
    "grades" : [
      {
        "date" : ISODate("2014-03-20T00:00:00Z"),
        "grade" : "A",
        "score" : 9
      },
      {
        "date" : ISODate("2013-06-28T00:00:00Z"),
        "grade" : "A",
        "score" : 11
      },
      {
        "date" : ISODate("2012-07-05T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      },
      {
        "date" : ISODate("2011-07-27T00:00:00Z"),
        "grade" : "A",
        "score" : 2
      }
    ],
    "name" : "Sports Center At Chelsea Piers (Sushi Bar)",
    "restaurant_id" : "40882356"
  },
  {
    "_id" : ObjectId("643af47d129cf64300062ba6"),
    "address" : {
      "building" : "524",
      "coord" : [
        -122.3870832,
        37.7606086
      ],
      "street" : "Beach 20 Street",
      "zipcode" : "11691"
    },
    "borough" : "Queens",
    "cuisine" : "Pizza",
    "grades" : [

```

```

    "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("643af47d129cf64300062c30"),
    "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("643af47d129cf64300063370"),
  "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
    },
    {

```


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

```
db.restaurent.find({cuisine:{$ne:'American'},"grades.score":{$gt:70},"address.coord.0":{$lt:-65}}).pretty();
```

```
> db.restaurent.find({cuisine:{$ne:'American'},"grades.score":{$gt:70},"address.coord.0":{$lt:-65}}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061d63"),
  "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",

```

```

        "grade" : "C",
        "score" : 41
    }
],
"name" : "Gandhi",
"restaurant_id" : "40381295"
}
{
  "_id" : ObjectId("643af47d129cf64300061ec5"),
  "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("643af47d129cf64300061ed2"),
"address" : {
  "building" : "101",
  "coord" : [
    -73.9243061,
    40.8276297
  ],
  "street" : "East 161 Street",
  "zipcode" : "10451"
},
"borough" : "Bronx",
"cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)",
"grades" : [
  {
    "date" : ISODate("2014-04-10T00:00:00Z"),
    "grade" : "A",
    "score" : 10
  },
  {
    "date" : ISODate("2013-10-01T00:00:00Z"),
    "grade" : "A",
    "score" : 6
  },
  {
    "date" : ISODate("2013-04-11T00:00:00Z"),
    "grade" : "B",
    "score" : 25
  },
  {
    "date" : ISODate("2012-10-25T00:00:00Z"),
    "grade" : "A",
    "score" : 12
  },
  {
    "date" : ISODate("2012-10-10T00:00:00Z"),
    "grade" : "P",
    "score" : 12
  },
  {
    "date" : ISODate("2012-05-25T00:00:00Z"),
    "grade" : "B",
    "score" : 14
  },
  {
    "date" : ISODate("2011-09-14T00:00:00Z"),
    "grade" : "B",
    "score" : 26
  },
  {
    "date" : ISODate("2011-04-25T00:00:00Z"),
```

```

        "grade" : "C",
        "score" : 76
    }
],
"name" : "El Molino Rojo Restaurant",
"restaurant_id" : "40393688"
}
{
  "_id" : ObjectId("643af47d129cf64300062022"),
  "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
    }
  ]
}

```



```

    ],
    "name" : "Fortunato Bros Cafe & Bakery",
    "restaurant_id" : "40400561"
  }
}
{
  "_id" : ObjectId("643af47d129cf6430006264b"),
  "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"
}
{
  "_id" : ObjectId("643af47d129cf64300062c6f"),
  "address" : {

```

```

    "_id" : ObjectId("643af47e129cf643000652d1"),
    "address" : {
      "building" : "194-03",
      "coord" : [
        -73.7874367,
        40.7581296
      ],
      "street" : "Northern Boulevard",
      "zipcode" : "11358"
    },
    "borough" : "Queens",
    "cuisine" : "Korean",
    "grades" : [
      {
        "date" : ISODate("2014-09-16T00:00:00Z"),
        "grade" : "C",
        "score" : 78
      },
      {
        "date" : ISODate("2014-01-09T00:00:00Z"),
        "grade" : "B",
        "score" : 23
      },
      {
        "date" : ISODate("2013-05-22T00:00:00Z"),
        "grade" : "A",
        "score" : 9
      },
      {
        "date" : ISODate("2012-11-27T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      },
      {
        "date" : ISODate("2012-05-16T00:00:00Z"),
        "grade" : "B",
        "score" : 27
      }
    ],
    "name" : "Gal Bi Ma Eul",
    "restaurant_id" : "41608854"
  },
  {
    "_id" : ObjectId("643af47e129cf6430006537a"),
    "address" : {
      "building" : "56",
      "coord" : [
        -73.99836309999999,
        40.7158265
      ],

```

```

        -73.99836309999999,
        40.7158265
    ],
    "street" : "Mott Street",
    "zipcode" : "10013"
},
"borough" : "Manhattan",
"cuisine" : "Chinese",
"grades" : [
    {
        "date" : ISODate("2014-11-18T00:00:00Z"),
        "grade" : "Z",
        "score" : 25
    },
    {
        "date" : ISODate("2014-03-31T00:00:00Z"),
        "grade" : "B",
        "score" : 22
    },
    {
        "date" : ISODate("2013-07-12T00:00:00Z"),
        "grade" : "A",
        "score" : 9
    },
    {
        "date" : ISODate("2013-02-08T00:00:00Z"),
        "grade" : "C",
        "score" : 73
    },
    {
        "date" : ISODate("2011-12-07T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    }
],
"name" : "Wonton Noodle Garden",
"restaurant_id" : "41614664"
}
{
    "_id" : ObjectId("643af47e129cf64300065a21"),
    "address" : {
        "building" : "1191",
        "coord" : [
            -73.953931,
            40.68096
        ],
        "street" : "Fulton Street",
        "zipcode" : "11216"
    },
    "borough" : "Brooklyn",

```



```

        -73.953931,
        40.68096
    ],
    "street" : "Fulton Street",
    "zipcode" : "11216"
},
"borough" : "Brooklyn",
"cuisine" : "African",
"grades" : [
    {
        "date" : ISODate("2015-01-07T00:00:00Z"),
        "grade" : "Z",
        "score" : 38
    },
    {
        "date" : ISODate("2014-06-26T00:00:00Z"),
        "grade" : "A",
        "score" : 9
    },
    {
        "date" : ISODate("2013-12-26T00:00:00Z"),
        "grade" : "A",
        "score" : 9
    },
    {
        "date" : ISODate("2013-12-02T00:00:00Z"),
        "grade" : "P",
        "score" : 4
    },
    {
        "date" : ISODate("2013-06-13T00:00:00Z"),
        "grade" : "B",
        "score" : 16
    },
    {
        "date" : ISODate("2013-01-03T00:00:00Z"),
        "grade" : "C",
        "score" : 58
    },
    {
        "date" : ISODate("2012-05-24T00:00:00Z"),
        "grade" : "C",
        "score" : 78
    }
],
"name" : "Cheikh Umar Futiyu Restaurant",
"restaurant_id" : "41660581"
}
{
    "_id" : ObjectId("643af47e129cf64300065c22"),

```

```
    "name" : "Cheikh Umar Futiyu Restaurant",
    "restaurant_id" : "41660581"
  }
}

{
  "_id" : ObjectId("643af47e129cf64300065c22"),
  "address" : {
    "building" : "43-46",
    "coord" : [
      -73.9224579,
      40.7441205
    ],
    "street" : "42 Street",
    "zipcode" : "11104"
  },
  "borough" : "Queens",
  "cuisine" : "Japanese",
  "grades" : [
    {
      "date" : ISODate("2014-07-31T00:00:00Z"),
      "grade" : "B",
      "score" : 22
    },
    {
      "date" : ISODate("2014-01-02T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2013-06-05T00:00:00Z"),
      "grade" : "B",
      "score" : 14
    },
    {
      "date" : ISODate("2012-09-14T00:00:00Z"),
      "grade" : "C",
      "score" : 73
    }
  ],
  "name" : "Takesushi",
  "restaurant_id" : "41679611"
}
Type "it" for more
>
```

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.restaurent.find({cuisine:{$ne:'American'},"grades.grade":'A',borough:{$ne:'Brooklyn'}}).sort({cuisine:-1}).pretty();
```

```
> db.restaurent.find({cuisine:{$ne:'American'},"grades.grade":'A',borough:{$ne:'Brooklyn'}}).sort({cuisine:-1}).pretty();
{
  "_id" : ObjectId("643af47d129cf6430006226e"),
  "address" : {
    "building" : "89",
    "coord" : [
      -73.9995899,
      40.7168015
    ],
    "street" : "Baxter Street",
    "zipcode" : "10013"
  },
  "borough" : "Manhattan",
  "cuisine" : "Vietnamese/Cambodian/Malaysia",
  "grades" : [
    {
      "date" : ISODate("2014-08-21T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2013-08-31T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2013-04-11T00:00:00Z"),
      "grade" : "C",
      "score" : 3
    },
    {
      "date" : ISODate("2012-10-17T00:00:00Z"),
      "grade" : "A",
      "score" : 4
    },
    {
      "date" : ISODate("2012-05-15T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    }
  ],
  "name" : "Thai Son",
  "restaurant_id" : "40559606"
}
```

```

    "_id" : ObjectId("643af47d129cf6430006232a"),
    "address" : {
      "building" : "8278",
      "coord" : [
        -73.88143509999999,
        40.7412552
      ],
      "street" : "Broadway",
      "zipcode" : "11373"
    },
    "borough" : "Queens",
    "cuisine" : "Vietnamese/Cambodian/Malaysia",
    "grades" : [
      {
        "date" : ISODate("2014-06-12T00:00:00Z"),
        "grade" : "B",
        "score" : 21
      },
      {
        "date" : ISODate("2013-05-20T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      },
      {
        "date" : ISODate("2012-12-26T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2012-12-03T00:00:00Z"),
        "grade" : "P",
        "score" : 5
      },
      {
        "date" : ISODate("2012-05-04T00:00:00Z"),
        "grade" : "B",
        "score" : 27
      }
    ],
    "name" : "Pho Bac Vietnamese Seafood Cuisine",
    "restaurant_id" : "40578058"
  }
}
{
  "_id" : ObjectId("643af47d129cf64300062712"),
  "address" : {
    "building" : "148",
    "coord" : [
      -74.000254,
      40.7172727
    ],
  },

```

100 C:\Windows\system32\cmd.exe - mongo

```
"borough" : "Manhattan",
"cuisine" : "Vietnamese/Cambodian/Malaysia",
"grades" : [
  {
    "date" : ISODate("2014-10-01T00:00:00Z"),
    "grade" : "A",
    "score" : 7
  },
  {
    "date" : ISODate("2014-05-19T00:00:00Z"),
    "grade" : "C",
    "score" : 5
  },
  {
    "date" : ISODate("2013-11-15T00:00:00Z"),
    "grade" : "B",
    "score" : 14
  },
  {
    "date" : ISODate("2013-03-08T00:00:00Z"),
    "grade" : "B",
    "score" : 25
  },
  {
    "date" : ISODate("2012-05-22T00:00:00Z"),
    "grade" : "B",
    "score" : 23
  },
  {
    "date" : ISODate("2011-10-27T00:00:00Z"),
    "grade" : "A",
    "score" : 9
  }
],
"name" : "Nha-Trang Centre Vietnam Restaurant",
"restaurant_id" : "40751226"
}
{
  "_id" : ObjectId("643af47d129cf64300062a29"),
  "address" : {
    "building" : "158",
    "coord" : [
      -74.0025903,
      40.7443077
    ],
    "street" : "9 Avenue",
    "zipcode" : "10011"
  },
  "borough" : "Manhattan",
  "cuisine" : "Vietnamese/Cambodian/Malaysia",
```

```

    "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("2012-02-15T00:00:00Z"),
        "grade" : "A",
        "score" : 7
      }
    ],
    "name" : "O-Mai",
    "restaurant_id" : "40903063"
  }
}

{
  "_id" : ObjectId("643af47d129cf64300062cba"),
  "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
    },
  ],

```

```

    "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" : ISODate("2012-06-05T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      }
    ],
    "name" : "Nha Trang Restaurant",
    "restaurant_id" : "40989220"
  }
}

{
  "_id" : ObjectId("643af47d129cf64300062d5f"),
  "address" : {
    "building" : "80",
    "coord" : [
      -73.99862900000001,
      40.7158191
    ],
    "street" : "Bayard Street",
    "zipcode" : "10013"
  },
  "borough" : "Manhattan",
  "cuisine" : "Vietnamese/Cambodian/Malaysia",
  "grades" : [
    {
      "date" : ISODate("2014-11-07T00:00:00Z"),
      "grade" : "B",
      "score" : 27
    },
    {
      "date" : ISODate("2014-07-05T00:00:00Z"),
      "grade" : "B",
      "score" : 27
    }
  ]
}

```



```

        {
            "date" : ISODate("2013-10-29T00:00:00Z"),
            "grade" : "A",
            "score" : 2
        },
        {
            "date" : ISODate("2013-06-28T00:00:00Z"),
            "grade" : "C",
            "score" : 5
        },
        {
            "date" : ISODate("2013-01-22T00:00:00Z"),
            "grade" : "B",
            "score" : 14
        },
        {
            "date" : ISODate("2012-07-18T00:00:00Z"),
            "grade" : "C",
            "score" : 42
        },
        {
            "date" : ISODate("2012-02-10T00:00:00Z"),
            "grade" : "A",
            "score" : 13
        }
    ],
    "name" : "New Bo Ky Restaurant",
    "restaurant_id" : "41005330"
},
{
    "_id" : ObjectId("643af47d129cf64300062e23"),
    "address" : {
        "building" : "156-32",
        "coord" : [
            -73.8087286,
            40.7639199
        ],
        "street" : "Northern Boulevard",
        "zipcode" : "11354"
    },
    "borough" : "Queens",
    "cuisine" : "Vietnamese/Cambodian/Malaysia",
    "grades" : [
        {
            "date" : ISODate("2014-09-11T00:00:00Z"),
            "grade" : "A",
            "score" : 13
        },
        {
            "date" : ISODate("2014-04-08T00:00:00Z"),

```

```

    "_id" : ObjectId("643af47d129cf64300062e42"),
    "address" : {
      "building" : "2",
      "coord" : [
        -73.9862038,
        40.747189
      ],
      "street" : "West 32 Street",
      "zipcode" : "10001"
    },
    "borough" : "Manhattan",
    "cuisine" : "Vietnamese/Cambodian/Malaysia",
    "grades" : [
      {
        "date" : ISODate("2014-12-01T00:00:00Z"),
        "grade" : "Z",
        "score" : 18
      },
      {
        "date" : ISODate("2014-05-27T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      },
      {
        "date" : ISODate("2013-10-01T00:00:00Z"),
        "grade" : "B",
        "score" : 17
      },
      {
        "date" : ISODate("2012-09-21T00:00:00Z"),
        "grade" : "A",
        "score" : 7
      },
      {
        "date" : ISODate("2012-03-05T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      }
    ],
    "name" : "Pho 32 & Shabu",
    "restaurant_id" : "41026002"
  }
}

{
  "_id" : ObjectId("643af47d129cf64300062f6c"),
  "address" : {
    "building" : "345",
    "coord" : [
      -74.0102595,
      40.7184972
    ],
  },

```

```

      "building" : "120",
      "coord" : [
        -74.005578,
        40.732983
      ],
      "street" : "Christopher Street",
      "zipcode" : "10014"
    },
    "borough" : "Manhattan",
    "cuisine" : "Vietnamese/Cambodian/Malaysia",
    "grades" : [
      {
        "date" : ISODate("2014-09-16T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      },
      {
        "date" : ISODate("2014-04-28T00:00:00Z"),
        "grade" : "C",
        "score" : 2
      },
      {
        "date" : ISODate("2013-02-28T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2012-10-19T00:00:00Z"),
        "grade" : "C",
        "score" : 5
      },
      {
        "date" : ISODate("2012-05-02T00:00:00Z"),
        "grade" : "B",
        "score" : 20
      },
      {
        "date" : ISODate("2011-11-14T00:00:00Z"),
        "grade" : "A",
        "score" : 7
      }
    ],
    "name" : "Baquette Pho Sure",
    "restaurant_id" : "41414673"
  },
  type "it" for more
  > db.restaurent.find({cuisine:{$ne:'American'},grades.grade:'A',borough:{$ne:'Brooklyn'}}).sort({cuisine:-1}).pretty();

```

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.restaurent.find({name:/^Wil/},{restaurent_id:1,name:1,borough:1,cuisine:1}).pretty();
```

```
> db.restaurent.find({name:/^Wil/},{restaurent_id:1,name:1,borough:1,cuisine:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b6c"),
  "borough" : "Brooklyn",
  "cuisine" : "Delicatessen",
  "name" : "Wilken'S Fine Food"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6e"),
  "borough" : "Bronx",
  "cuisine" : "American",
  "name" : "Wild Asia"
}
{
  "_id" : ObjectId("643af47d129cf64300062977"),
  "borough" : "Bronx",
  "cuisine" : "Pizza",
  "name" : "Wilbel Pizza"
}
{
  "_id" : ObjectId("643af47d129cf64300062ac3"),
  "borough" : "Manhattan",
  "cuisine" : "Seafood",
  "name" : "Wild Edibles"
}
{
  "_id" : ObjectId("643af47d129cf643000635ff"),
  "borough" : "Brooklyn",
  "cuisine" : "Bagels/Pretzels",
  "name" : "Wild Bagels"
}
{
  "_id" : ObjectId("643af47d129cf643000636df"),
  "borough" : "Bronx",
  "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)",
  "name" : "Willie'S Steak House"
}
{
  "_id" : ObjectId("643af47d129cf643000637d3"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Willis North America"
}
{
  "_id" : ObjectId("643af47d129cf643000637d4"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Willburg Cafe"
}
```



```
}
{
  "_id" : ObjectId("643af47e129cf64300063da5"),
  "borough" : "Manhattan",
  "cuisine" : "Café/Coffee/Tea",
  "name" : "William Greenberg Jr Desserts"
}
{
  "_id" : ObjectId("643af47e129cf64300063e9c"),
  "borough" : "Brooklyn",
  "cuisine" : "Vegetarian",
  "name" : "Wild Ginger Vegan Cafe"
}
{
  "_id" : ObjectId("643af47e129cf64300063ecc"),
  "borough" : "Manhattan",
  "cuisine" : "Irish",
  "name" : "Wilfie & Nell"
}
{
  "_id" : ObjectId("643af47e129cf643000643de"),
  "borough" : "Manhattan",
  "cuisine" : "Vegetarian",
  "name" : "Wild Ginger Vegetarian Kitchen"
}
{
  "_id" : ObjectId("643af47e129cf643000644cc"),
  "borough" : "Manhattan",
  "cuisine" : "Pizza",
  "name" : "Wild"
}
{
  "_id" : ObjectId("643af47e129cf6430006512c"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "William Barnacle"
}
{
  "_id" : ObjectId("643af47e129cf643000651b1"),
  "borough" : "Queens",
  "cuisine" : "American",
  "name" : "William Hallet"
}
{
  "_id" : ObjectId("643af47e129cf643000651d1"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Williams & Bailey"
}
{
  "_id" : ObjectId("643af47e129cf64300065201"),
  "borough" : "Manhattan",
```

```
}  
{  
  "_id" : ObjectId("643af47e129cf64300065201"),  
  "borough" : "Manhattan",  
  "cuisine" : "Asian",  
  "name" : "Wild Ginger"  
}  
{  
  "_id" : ObjectId("643af47e129cf643000659ba"),  
  "borough" : "Manhattan",  
  "cuisine" : "Bakery",  
  "name" : "William Greenberg Dessert"  
}  
{  
  "_id" : ObjectId("643af47e129cf64300065b48"),  
  "borough" : "Brooklyn",  
  "cuisine" : "Pizza/Italian",  
  "name" : "Williamsburg Pizza"  
}  
{  
  "_id" : ObjectId("643af47e129cf64300065ba5"),  
  "borough" : "Queens",  
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",  
  "name" : "Wild Cherry"  
}  
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.restaurent.find({name:/. *ces$/},{restaurent_id:1,name:1,borough:1,cuisine:1}).pretty();
```



```

type "it" for more
> db.restaurent.find({name:/.*ces$/},{restaurent_id:1,name:1,borough:1,cuisine:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061ff7"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Pieces"
}
{
  "_id" : ObjectId("643af47d129cf643000620b6"),
  "borough" : "Queens",
  "cuisine" : "American",
  "name" : "S.M.R Restaurant Services"
}
{
  "_id" : ObjectId("643af47d129cf643000620bb"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Good Shepherd Services"
}
{
  "_id" : ObjectId("643af47d129cf6430006256f"),
  "borough" : "Queens",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "The Ice Box-Ralph'S Famous Italian Ices"
}
{
  "_id" : ObjectId("643af47d129cf64300062779"),
  "borough" : "Brooklyn",
  "cuisine" : "Jewish/Kosher",
  "name" : "Alices"
}
{
  "_id" : ObjectId("643af47d129cf6430006298d"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Re: Sources"
}
{
  "_id" : ObjectId("643af47d129cf64300062c17"),
  "borough" : "Staten Island",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Cange'S Italian Ices"
}
{
  "_id" : ObjectId("643af47d129cf64300062cd0"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "B.A.M. Cafe/Great Performances"
}

```

```
}
{
  "_id" : ObjectId("643af47d129cf64300062e61"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Barbara Blum Residence / Good Shepherd Services"
}
{
  "_id" : ObjectId("643af47d129cf64300063447"),
  "borough" : "Brooklyn",
  "cuisine" : "Soul Food",
  "name" : "Berts Restaurant & Catering Services"
}
{
  "_id" : ObjectId("643af47d129cf643000637c5"),
  "borough" : "Staten Island",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Ralph'S Famous Italian Ices"
}
{
  "_id" : ObjectId("643af47e129cf64300063b97"),
  "borough" : "Queens",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Ralph'S Famous Italian Ices"
}
{
  "_id" : ObjectId("643af47e129cf64300063d41"),
  "borough" : "Staten Island",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Ralph'S Famous Italian Ices"
}
{
  "_id" : ObjectId("643af47e129cf64300063ea3"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "International Flavors & Fragrances"
}
{
  "_id" : ObjectId("643af47e129cf64300064224"),
  "borough" : "Staten Island",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Ralph'S Ices"
}
{
  "_id" : ObjectId("643af47e129cf6430006434e"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "New York Stock Exchange Executive Services"
}
{
  "_id" : ObjectId("643af47e129cf6430006441b"),
  "borough" : "Queens",
```

```
}
{
  "_id" : ObjectId("643af47e129cf6430006434e"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "New York Stock Exchange Executive Services"
}
{
  "_id" : ObjectId("643af47e129cf6430006441b"),
  "borough" : "Queens",
  "cuisine" : "Pizza",
  "name" : "Slices And Ices"
}
{
  "_id" : ObjectId("643af47e129cf643000645e1"),
  "borough" : "Staten Island",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Ralph'S Famous Italian Ices"
}
{
  "_id" : ObjectId("643af47e129cf64300064f57"),
  "borough" : "Manhattan",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Ralph'S Famous Italian Ices"
}
{
  "_id" : ObjectId("643af47e129cf6430006506a"),
  "borough" : "Bronx",
  "cuisine" : "Caribbean",
  "name" : "7 Spices"
}
```

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.restaurent.find({name:/Reg/},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();
```

```
> db.restaurent.find({name:/Reg/},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b6a"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Regina Caterers",
  "restaurant_id" : "40356649"
}
{
  "_id" : ObjectId("643af47d129cf64300061c68"),
  "borough" : "Manhattan",
  "cuisine" : "Café/Coffee/Tea",
  "name" : "Caffe Reggio",
  "restaurant_id" : "40369418"
}
{
  "_id" : ObjectId("643af47d129cf64300061d77"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Regency Hotel",
  "restaurant_id" : "40382679"
}
{
  "_id" : ObjectId("643af47d129cf64300062094"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Regency Whist Club",
  "restaurant_id" : "40402377"
}
{
  "_id" : ObjectId("643af47d129cf64300062178"),
  "borough" : "Queens",
  "cuisine" : "American",
  "name" : "Rego Park Cafe",
  "restaurant_id" : "40523342"
}
{
  "_id" : ObjectId("643af47d129cf643000627e4"),
  "borough" : "Queens",
  "cuisine" : "Pizza",
  "name" : "Regina Pizza",
  "restaurant_id" : "40801325"
}
{
  "_id" : ObjectId("643af47d129cf643000629fd"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Regal Entertainment Group",
  "restaurant_id" : "40891782"
}
```



```
{
  "_id" : ObjectId("643af47d129cf64300062d3e"),
  "borough" : "Brooklyn",
  "cuisine" : "Café/Coffee/Tea",
  "name" : "Cafe Regular",
  "restaurant_id" : "41003435"
}
{
  "_id" : ObjectId("643af47d129cf64300062f17"),
  "borough" : "Queens",
  "cuisine" : "Middle Eastern",
  "name" : "Rego Pita",
  "restaurant_id" : "41053746"
}
{
  "_id" : ObjectId("643af47d129cf643000630a7"),
  "borough" : "Manhattan",
  "cuisine" : "Italian",
  "name" : "Regional",
  "restaurant_id" : "41096822"
}
{
  "_id" : ObjectId("643af47d129cf64300063445"),
  "borough" : "Queens",
  "cuisine" : "American",
  "name" : "Regal Cinema 8 (Atlas Park Stadium)",
  "restaurant_id" : "41184464"
}
{
  "_id" : ObjectId("643af47d129cf64300063620"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Regal Cinemas E-Walk Stadium13",
  "restaurant_id" : "41227884"
}
{
  "_id" : ObjectId("643af47e129cf64300063b49"),
  "borough" : "Queens",
  "cuisine" : "Jewish/Kosher",
  "name" : "Regestan",
  "restaurant_id" : "41312517"
}
{
  "_id" : ObjectId("643af47e129cf64300063c9a"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Sheepshead Bay Regal Cinemas Theatre",
  "restaurant_id" : "41335396"
}
```

```
    "_id" : ObjectId("643af47e129cf6430006419d"),
    "borough" : "Manhattan",
    "cuisine" : "American",
    "name" : "Regal Union Square Stadium 14",
    "restaurant_id" : "41402060"
  }
  {
    "_id" : ObjectId("643af47e129cf643000642d6"),
    "borough" : "Manhattan",
    "cuisine" : "American",
    "name" : "St Regis New York - 20Th Floor Roof Ballroom",
    "restaurant_id" : "41420313"
  }
  {
    "_id" : ObjectId("643af47e129cf643000643a4"),
    "borough" : "Queens",
    "cuisine" : "Chinese",
    "name" : "Rego Garden Restaurant, Inc",
    "restaurant_id" : "41430576"
  }
  {
    "_id" : ObjectId("643af47e129cf64300064867"),
    "borough" : "Queens",
    "cuisine" : "Pizza/Italian",
    "name" : "Regina'S Cafe & Pizzeria",
    "restaurant_id" : "41486945"
  }
  {
    "_id" : ObjectId("643af47e129cf64300064d5b"),
    "borough" : "Queens",
    "cuisine" : "American",
    "name" : "Rego Bagel",
    "restaurant_id" : "41553722"
  }
  {
    "_id" : ObjectId("643af47e129cf64300064f8f"),
    "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.restaurent.find({borough:"Bronx",cuisine:{$in:["American","Chinese"]}}).pretty();
```

```
db.restaurent.find({borough:"Bronx",cuisine:{$nin:["American","Chinese"]}}).pretty();

  "_id" : ObjectId("643af47d129cf64300061b66"),
  "address" : {
    "building" : "1007",
    "coord" : [
      -73.856077,
      40.848447
    ],
    "street" : "Morris Park Ave",
    "zipcode" : "10462"
  },
  "borough" : "Bronx",
  "cuisine" : "Bakery",
  "grades" : [
    {
      "date" : ISODate("2014-03-03T00:00:00Z"),
      "grade" : "A",
      "score" : 2
    },
    {
      "date" : ISODate("2013-09-11T00:00:00Z"),
      "grade" : "A",
      "score" : 6
    },
    {
      "date" : ISODate("2013-01-24T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    },
    {
      "date" : ISODate("2011-11-23T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2011-03-10T00:00:00Z"),
      "grade" : "B",
      "score" : 14
    }
  ],
  "name" : "Morris Park Bake Shop",
  "restaurant_id" : "30075445"

  "_id" : ObjectId("643af47d129cf64300061b83"),
  "address" : {
    "building" : "1006",
    "coord" : [
      -73.84856870000002,
```



```

        40.8903781
    ],
    "street" : "East 233 Street",
    "zipcode" : "10466"
  },
  "borough" : "Bronx",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "grades" : [
    {
      "date" : ISODate("2014-04-24T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    },
    {
      "date" : ISODate("2013-09-05T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    },
    {
      "date" : ISODate("2013-02-21T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2012-07-03T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2011-07-11T00:00:00Z"),
      "grade" : "A",
      "score" : 5
    }
  ],
  "name" : "Carvel Ice Cream",
  "restaurant_id" : "40363093"
}
{
  "_id" : ObjectId("643af47d129cf64300061be4"),
  "address" : {
    "building" : "331",
    "coord" : [
      -73.87786539999999,
      40.8724377
    ],
    "street" : "East 204 Street",
    "zipcode" : "10467"
  },
  "borough" : "Bronx",
  "cuisine" : "Irish",

```

```

        {
            "date" : ISODate("2014-08-26T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2014-03-26T00:00:00Z"),
            "grade" : "B",
            "score" : 23
        },
        {
            "date" : ISODate("2013-09-11T00:00:00Z"),
            "grade" : "A",
            "score" : 13
        },
        {
            "date" : ISODate("2012-12-18T00:00:00Z"),
            "grade" : "B",
            "score" : 27
        },
        {
            "date" : ISODate("2011-10-20T00:00:00Z"),
            "grade" : "A",
            "score" : 13
        }
    ],
    "name" : "Mcdwyers Pub",
    "restaurant_id" : "40365893"
}
{
    "_id" : ObjectId("643af47d129cf64300061c09"),
    "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"),

```

```

    "name" : "Ihop",
    "restaurant_id" : "40366833"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061c0f"),
    "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("643af47d129cf64300061c38"),
    "address" : {
      "building" : "4280",

```

```

    "name" : "Ihop",
    "restaurant_id" : "40373938"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061ce3"),
    "address" : {
      "building" : "1",
      "coord" : [
        -73.78309349999999,
        40.8374725
      ],
      "street" : "City Island Ave",
      "zipcode" : "10464"
    },
    "borough" : "Bronx",
    "cuisine" : "Seafood",
    "grades" : [
      {
        "date" : ISODate("2014-06-25T00:00:00Z"),
        "grade" : "B",
        "score" : 15
      },
      {
        "date" : ISODate("2013-12-11T00:00:00Z"),
        "grade" : "A",
        "score" : 6
      },
      {
        "date" : ISODate("2012-10-16T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2011-10-17T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      }
    ],
    "name" : "Tony'S Pier Restaurant",
    "restaurant_id" : "40374136"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061cf4"),
    "address" : {
      "building" : "1200",
      "coord" : [
        -73.8507489,
        40.832069
      ],
      "street" : "Castle Hill Avenue",

```

```

    "_id" : ObjectId("643af47d129cf64300061d1b"),
    "address" : {
      "building" : "703",
      "coord" : [
        -73.79064389999999,
        40.8575687
      ],
      "street" : "Minnieford Ave",
      "zipcode" : "10464"
    },
    "borough" : "Bronx",
    "cuisine" : "Seafood",
    "grades" : [
      {
        "date" : ISODate("2014-09-09T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      },
      {
        "date" : ISODate("2014-04-01T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      },
      {
        "date" : ISODate("2013-08-26T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2013-03-04T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      },
      {
        "date" : ISODate("2012-06-14T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      }
    ],
    "name" : "Jp'S Waterside Restaurant",
    "restaurant_id" : "40377124"
  },
  {
    "_id" : ObjectId("643af47d129cf64300061d1c"),
    "address" : {
      "building" : "749",
      "coord" : [
        -73.8657838,
        40.8544744
      ],

```

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

```
> db.restaurent.find({borough:{$in:['Staten Island','Queens','Bronxor Brooklyn']}}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b67"),
  "address" : {
    "building" : "97-22",
    "coord" : [
      -73.8601152,
      40.7311739
    ],
    "street" : "63 Road",
    "zipcode" : "11374"
  },
  "borough" : "Queens",
  "cuisine" : "Jewish/Kosher",
  "grades" : [
    {
      "date" : ISODate("2014-11-24T00:00:00Z"),
      "grade" : "Z",
      "score" : 20
    },
    {
      "date" : ISODate("2013-01-17T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2012-08-02T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2011-12-15T00:00:00Z"),
      "grade" : "B",
      "score" : 25
    }
  ],
  "name" : "Tov Kosher Kitchen",
  "restaurant_id" : "40356068"
}
{
  "_id" : ObjectId("643af47d129cf64300061b68"),
  "address" : {
    "building" : "8825",
    "coord" : [
      -73.8803827,
      40.7643124
    ],
    "street" : "Astoria Boulevard",
    "zipcode" : "11369"
  },
  "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"
}
```



```

    },
    "borough" : "Queens",
    "cuisine" : "American",
    "grades" : [
      {
        "date" : ISODate("2014-11-15T00:00:00Z"),
        "grade" : "Z",
        "score" : 38
      },
      {
        "date" : ISODate("2014-05-02T00:00:00Z"),
        "grade" : "A",
        "score" : 10
      },
      {
        "date" : ISODate("2013-03-02T00:00:00Z"),
        "grade" : "A",
        "score" : 7
      },
      {
        "date" : ISODate("2012-02-10T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      }
    ],
    "name" : "Brunos On The Boulevard",
    "restaurant_id" : "40356151"
  }
}
{
  "_id" : ObjectId("643af47d129cf64300061b69"),
  "address" : {
    "building" : "2206",
    "coord" : [
      -74.1377286,
      40.6119572
    ],
    "street" : "Victory Boulevard",
    "zipcode" : "10314"
  },
  "borough" : "Staten Island",
  "cuisine" : "Jewish/Kosher",
  "grades" : [
    {
      "date" : ISODate("2014-10-06T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2014-05-20T00:00:00Z"),
      "grade" : "A",

```



```

    },
    {
        "date" : ISODate("2012-01-24T00:00:00Z"),
        "grade" : "A",
        "score" : 9
    }
],
"name" : "Kosher Island",
"restaurant_id" : "40356442"
}
{
    "_id" : ObjectId("643af47d129cf64300061b72"),
    "address" : {
        "building" : "265-15",
        "coord" : [
            -73.7032601,
            40.7386417
        ],
        "street" : "Hillside Avenue",
        "zipcode" : "11004"
    },
    "borough" : "Queens",
    "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
    "grades" : [
        {
            "date" : ISODate("2014-10-28T00:00:00Z"),
            "grade" : "A",
            "score" : 9
        },
        {
            "date" : ISODate("2013-09-18T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2012-09-20T00:00:00Z"),
            "grade" : "A",
            "score" : 13
        }
    ],
    "name" : "Carvel Ice Cream",
    "restaurant_id" : "40361322"
}
{
    "_id" : ObjectId("643af47d129cf64300061b78"),
    "address" : {
        "building" : "129-08",
        "coord" : [
            -73.839297,
            40.78147
        ]
    }
}

```

```

    ],
    "street" : "20 Avenue",
    "zipcode" : "11356"
  },
  "borough" : "Queens",
  "cuisine" : "Delicatessen",
  "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("643af47d129cf64300061b7a"),
  "address" : {
    "building" : "3406",
    "coord" : [
      -73.94024739999999,
      40.7623288
    ],
    "street" : "10 Street",
    "zipcode" : "11106"
  },
  "borough" : "Queens",
  "cuisine" : "Delicatessen",
  "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("643af47d129cf64300061b86"),
    "address" : {
        "building" : "103-05",
        "coord" : [
            -73.8642349,
            40.75356
        ],
        "street" : "37 Avenue",
        "zipcode" : "11368"
    },
    "borough" : "Queens",
    "cuisine" : "Chinese",
    "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"),

```

```

        "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("643af47d129cf64300061b87"),
    "address" : {
        "building" : "1069",
        "coord" : [
            -73.902463,
            40.694924
        ],
        "street" : "Wyckoff Avenue",
        "zipcode" : "11385"
    },
    "borough" : "Queens",
    "cuisine" : "Delicatessen",
    "grades" : [
        {
            "date" : ISODate("2014-05-08T00:00:00Z"),
            "grade" : "A",
            "score" : 11
        },
        {
            "date" : ISODate("2013-12-12T00:00:00Z"),
            "grade" : "A",
            "score" : 8
        },
        {
            "date" : ISODate("2013-06-21T00:00:00Z"),
            "grade" : "A",

```

```

        "date" : ISODate("2012-12-24T00:00:00Z"),
        "grade" : "B",
        "score" : 25
    },
    {
        "date" : ISODate("2011-10-19T00:00:00Z"),
        "grade" : "A",
        "score" : 11
    },
    {
        "date" : ISODate("2011-06-15T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    }
],
"name" : "Tony'S Deli",
"restaurant_id" : "40363333"
}
{
    "_id" : ObjectId("643af47d129cf64300061b8a"),
    "address" : {
        "building" : "2491",
        "coord" : [
            -74.1459332,
            40.6103714
        ],
        "street" : "Victory Boulevard",
        "zipcode" : "10314"
    },
    "borough" : "Staten Island",
    "cuisine" : "Delicatessen",
    "grades" : [
        {
            "date" : ISODate("2015-01-09T00:00:00Z"),
            "grade" : "A",
            "score" : 3
        },
        {
            "date" : ISODate("2013-12-05T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2013-06-19T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2013-01-08T00:00:00Z"),
            "grade" : "A",

```

```

    "_id" : ObjectId("643af47d129cf64300061b90"),
    "address" : {
      "building" : "1111",
      "coord" : [
        -74.0796436,
        40.59878339999999
      ],
      "street" : "Hylan Boulevard",
      "zipcode" : "10305"
    },
    "borough" : "Staten Island",
    "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
    "grades" : [
      {
        "date" : ISODate("2014-04-24T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      },
      {
        "date" : ISODate("2013-02-26T00:00:00Z"),
        "grade" : "A",
        "score" : 5
      },
      {
        "date" : ISODate("2012-02-02T00:00:00Z"),
        "grade" : "A",
        "score" : 2
      }
    ],
    "name" : "Carvel Ice Cream",
    "restaurant_id" : "40363834"
  }
}

{
  "_id" : ObjectId("643af47d129cf64300061b98"),
  "address" : {
    "building" : "0",
    "coord" : [
      -84.2040813,
      9.9986585
    ],
    "street" : "Guardia Airport Parking",
    "zipcode" : "11371"
  },
  "borough" : "Queens",
  "cuisine" : "American",
  "grades" : [
    {
      "date" : ISODate("2014-05-16T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    }
  ]
}

```

```

        "date" : ISODate("2013-05-10T00:00:00Z"),
        "grade" : "A",
        "score" : 10
    },
    {
        "date" : ISODate("2012-05-15T00:00:00Z"),
        "grade" : "A",
        "score" : 9
    },
    {
        "date" : ISODate("2011-11-02T00:00:00Z"),
        "grade" : "C",
        "score" : 32
    }
],
"name" : "Terminal Cafe/Yankee Clipper",
"restaurant_id" : "40364262"
}
{
    "_id" : ObjectId("643af47d129cf64300061b99"),
    "address" : {
        "building" : "203",
        "coord" : [
            -74.15235919999999,
            40.5563756
        ],
        "street" : "Giffords Lane",
        "zipcode" : "10308"
    },
    "borough" : "Staten Island",
    "cuisine" : "Delicatessen",
    "grades" : [
        {
            "date" : ISODate("2015-01-05T00:00:00Z"),
            "grade" : "A",
            "score" : 4
        },
        {
            "date" : ISODate("2014-09-11T00:00:00Z"),
            "grade" : "C",
            "score" : 39
        },
        {
            "date" : ISODate("2014-03-20T00:00:00Z"),
            "grade" : "A",
            "score" : 12
        },
        {
            "date" : ISODate("2013-01-24T00:00:00Z"),
            "grade" : "A",

```

```

    ],
    "name" : "B & M Hot Bagel & Grocery",
    "restaurant_id" : "40364299"
  }
}

{
  "_id" : ObjectId("643af47d129cf64300061b9d"),
  "address" : {
    "building" : "73",
    "coord" : [
      -74.1178949,
      40.5734906
    ],
    "street" : "New Dorp Plaza",
    "zipcode" : "10306"
  },
  "borough" : "Staten Island",
  "cuisine" : "Delicatessen",
  "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("643af47d129cf64300061ba5"),
  "address" : {
    "building" : "657",
    "coord" : [
      -73.9056678,
      40.7066898
    ],
  },

```



```

        "street" : "Fairview Avenue",
        "zipcode" : "11385"
    },
    "borough" : "Queens",
    "cuisine" : "German",
    "grades" : [
        {
            "date" : ISODate("2014-03-15T00:00:00Z"),
            "grade" : "A",
            "score" : 11
        },
        {
            "date" : ISODate("2013-03-12T00:00:00Z"),
            "grade" : "A",
            "score" : 2
        },
        {
            "date" : ISODate("2012-07-21T00:00:00Z"),
            "grade" : "B",
            "score" : 27
        },
        {
            "date" : ISODate("2011-11-25T00:00:00Z"),
            "grade" : "B",
            "score" : 24
        },
        {
            "date" : ISODate("2011-06-22T00:00:00Z"),
            "grade" : "B",
            "score" : 20
        }
    ],
    "name" : "Gottscheer Hall",
    "restaurant_id" : "40364449"
}
{
    "_id" : ObjectId("643af47d129cf64300061bac"),
    "address" : {
        "building" : "96-40",
        "coord" : [
            -73.86137149999999,
            40.7293762
        ],
        "street" : "Queens Boulevard",
        "zipcode" : "11374"
    },
    "borough" : "Queens",
    "cuisine" : "Jewish/Kosher",
    "grades" : [
        {

```

```

    }
  ],
  "name" : "Ben-Best Deli & Restaurant",
  "restaurant_id" : "40364529"
}
{
  "_id" : ObjectId("643af47d129cf64300061bae"),
  "address" : {
    "building" : "37",
    "coord" : [
      -74.138263,
      40.546681
    ],
    "street" : "Mansion Ave",
    "zipcode" : "10308"
  },
  "borough" : "Staten Island",
  "cuisine" : "American",
  "grades" : [
    {
      "date" : ISODate("2014-04-22T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    },
    {
      "date" : ISODate("2013-09-25T00:00:00Z"),
      "grade" : "A",
      "score" : 4
    },
    {
      "date" : ISODate("2012-06-09T00:00:00Z"),
      "grade" : "A",
      "score" : 8
    }
  ],
  "name" : "Great Kills Yacht Club",
  "restaurant_id" : "40364610"
}
{
  "_id" : ObjectId("643af47d129cf64300061bb3"),
  "address" : {
    "building" : "156-71",
    "coord" : [
      -73.840437,
      40.6627235
    ],
    "street" : "Crossbay Boulevard",
    "zipcode" : "11414"
  },
  "borough" : "Queens",

```



```

    },
    "name" : "New Park Pizzeria & Restaurant",
    "restaurant_id" : "40364744"
  },
  {
    "_id" : ObjectId("643af47d129cf64300061bb4"),
    "address" : {
      "building" : "600",
      "coord" : [
        -73.7522366,
        40.7766941
      ],
      "street" : "West Drive",
      "zipcode" : "11363"
    },
    "borough" : "Queens",
    "cuisine" : "American",
    "grades" : [
      {
        "date" : ISODate("2013-12-04T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      },
      {
        "date" : ISODate("2013-06-13T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      },
      {
        "date" : ISODate("2012-12-06T00:00:00Z"),
        "grade" : "A",
        "score" : 9
      },
      {
        "date" : ISODate("2012-04-12T00:00:00Z"),
        "grade" : "A",
        "score" : 2
      },
      {
        "date" : ISODate("2011-07-30T00:00:00Z"),
        "grade" : "B",
        "score" : 23
      }
    ],
    "name" : "Douglaston Club",
    "restaurant_id" : "40364858"
  }
]
Type "it" for more
>

```

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

```
db.restaurant.find({borough:{$nin:['Staten Island','Queens','Bronx','Brooklyn']}},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();
```

```
> db.restaurant.find({borough:{$nin:['Staten Island','Queens','Bronx','Brooklyn']}},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b64"),
  "borough" : "Manhattan",
  "cuisine" : "Irish",
  "name" : "Dj Reynolds Pub And Restaurant",
  "restaurant_id" : "30191841"
}
{
  "_id" : ObjectId("643af47d129cf64300061b65"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Riviera Caterer",
  "restaurant_id" : "40356018"
}
{
  "_id" : ObjectId("643af47d129cf64300061b66"),
  "borough" : "Bronx",
  "cuisine" : "Bakery",
  "name" : "Morris Park Bake Shop",
  "restaurant_id" : "30075445"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6a"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Regina Caterers",
  "restaurant_id" : "40356649"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6b"),
  "borough" : "Brooklyn",
  "cuisine" : "Hamburgers",
  "name" : "Wendy'S",
  "restaurant_id" : "30112340"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6c"),
  "borough" : "Brooklyn",
  "cuisine" : "Delicatessen",
  "name" : "Wilken'S Fine Food",
  "restaurant_id" : "40356483"
}
{
  "_id" : ObjectId("643af47d129cf64300061b6d"),
  "borough" : "Brooklyn",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Taste The Tropics Ice Cream",
  "restaurant_id" : "40356731"
}
```

```
    "_id" : ObjectId("643af47d129cf64300061b6e"),
    "borough" : "Bronx",
    "cuisine" : "American",
    "name" : "Wild Asia",
    "restaurant_id" : "40357217"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061b6f"),
    "borough" : "Manhattan",
    "cuisine" : "American",
    "name" : "1 East 66Th Street Kitchen",
    "restaurant_id" : "40359480"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061b70"),
    "borough" : "Brooklyn",
    "cuisine" : "Chinese",
    "name" : "May May Kitchen",
    "restaurant_id" : "40358429"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061b71"),
    "borough" : "Brooklyn",
    "cuisine" : "Jewish/Kosher",
    "name" : "Seuda Foods",
    "restaurant_id" : "40360045"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061b73"),
    "borough" : "Brooklyn",
    "cuisine" : "Delicatessen",
    "name" : "Nordic Delicacies",
    "restaurant_id" : "40361390"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061b74"),
    "borough" : "Brooklyn",
    "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
    "name" : "Carvel Ice Cream",
    "restaurant_id" : "40360076"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061b75"),
    "borough" : "Brooklyn",
    "cuisine" : "American",
    "name" : "C & C Catering Service",
    "restaurant_id" : "40357437"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061b76"),
```

```

{
  "_id" : ObjectId("643af47d129cf64300061b76"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Glorious Food",
  "restaurant_id" : "40361521"
}
{
  "_id" : ObjectId("643af47d129cf64300061b77"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "The Movable Feast",
  "restaurant_id" : "40361606"
}
{
  "_id" : ObjectId("643af47d129cf64300061b79"),
  "borough" : "Manhattan",
  "cuisine" : "Delicatessen",
  "name" : "Bully'S Deli",
  "restaurant_id" : "40361708"
}
{
  "_id" : ObjectId("643af47d129cf64300061b7b"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "P & S Deli Grocery",
  "restaurant_id" : "40362264"
}
{
  "_id" : ObjectId("643af47d129cf64300061b7c"),
  "borough" : "Manhattan",
  "cuisine" : "Chicken",
  "name" : "Harriet'S Kitchen",
  "restaurant_id" : "40362098"
}
{
  "_id" : ObjectId("643af47d129cf64300061b7d"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Angelika Film Center",
  "restaurant_id" : "40362274"
}

```

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.restaurent.find({"grades.score": {$not:{$gt : 10}}},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();
```

```
> db.restaurent.find({"grades.score": {$not:{$gt : 10}}},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b6f"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "1 East 66Th Street Kitchen",
  "restaurant_id" : "40359480"
}
{
  "_id" : ObjectId("643af47d129cf64300061b73"),
  "borough" : "Brooklyn",
  "cuisine" : "Delicatessen",
  "name" : "Nordic Delicacies",
  "restaurant_id" : "40361390"
}
{
  "_id" : ObjectId("643af47d129cf64300061b75"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "C & C Catering Service",
  "restaurant_id" : "40357437"
}
{
  "_id" : ObjectId("643af47d129cf64300061b80"),
  "borough" : "Brooklyn",
  "cuisine" : "Hamburgers",
  "name" : "White Castle",
  "restaurant_id" : "40362344"
}
{
  "_id" : ObjectId("643af47d129cf64300061b8f"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Sonny'S Heros",
  "restaurant_id" : "40363744"
}
{
  "_id" : ObjectId("643af47d129cf64300061b9f"),
  "borough" : "Bronx",
  "cuisine" : "American",
  "name" : "Manhem Club",
  "restaurant_id" : "40364363"
}
{
  "_id" : ObjectId("643af47d129cf64300061bae"),
  "borough" : "Staten Island",
  "cuisine" : "American",
  "name" : "Great Kills Yacht Club",
  "restaurant_id" : "40364610"
}
```



```
    "_id" : ObjectId("643af47d129cf64300061bb6"),
    "borough" : "Manhattan",
    "cuisine" : "American",
    "name" : "Serendipity 3",
    "restaurant_id" : "40364863"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061bba"),
    "borough" : "Manhattan",
    "cuisine" : "American",
    "name" : "White Horse Tavern",
    "restaurant_id" : "40364958"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061bcb"),
    "borough" : "Manhattan",
    "cuisine" : "Irish",
    "name" : "Dorrian'S Red Hand Restaurant",
    "restaurant_id" : "40365239"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061c15"),
    "borough" : "Manhattan",
    "cuisine" : "Mexican",
    "name" : "Mexico Lindo Restaurant",
    "restaurant_id" : "40367038"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061c32"),
    "borough" : "Brooklyn",
    "cuisine" : "Greek",
    "name" : "El Greco Diner",
    "restaurant_id" : "40367795"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061c38"),
    "borough" : "Bronx",
    "cuisine" : "Not Listed/Not Applicable",
    "name" : "The Lark'S Nest",
    "restaurant_id" : "40367946"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061c39"),
    "borough" : "Bronx",
    "cuisine" : "Café/Coffee/Tea",
    "name" : "Terrace Cafe",
    "restaurant_id" : "40368018"
  }
  {
    "_id" : ObjectId("643af47d129cf64300061c3d"),
```

```

{
  "_id" : ObjectId("643af47d129cf64300061c3d"),
  "borough" : "Bronx",
  "cuisine" : "American",
  "name" : "African Market (Baboon Cafe)",
  "restaurant_id" : "40368026"
}
{
  "_id" : ObjectId("643af47d129cf64300061c3e"),
  "borough" : "Staten Island",
  "cuisine" : "Italian",
  "name" : "Roadhouse Restaurant",
  "restaurant_id" : "40368034"
}
{
  "_id" : ObjectId("643af47d129cf64300061c41"),
  "borough" : "Bronx",
  "cuisine" : "African",
  "name" : "African Terrace",
  "restaurant_id" : "40368021"
}
{
  "_id" : ObjectId("643af47d129cf64300061c69"),
  "borough" : "Manhattan",
  "cuisine" : "French",
  "name" : "Pergola Des Artistes",
  "restaurant_id" : "40369139"
}
{
  "_id" : ObjectId("643af47d129cf64300061c6c"),
  "borough" : "Brooklyn",
  "cuisine" : "Hamburgers",
  "name" : "Mcdonald'S",
  "restaurant_id" : "40369535"
}
{
  "_id" : ObjectId("643af47d129cf64300061c70"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "The River Cafe",
  "restaurant_id" : "40369608"
}
Type "it" for more
> db.restaurent.find({"grades.score": {$not:{$gt : 10}}},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();

```

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.restaurent.find({name:/^Wil/,cuisine:{$nin:
['American','Chinese']},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();
```

```
> db.restaurent.find({name:/^Wil/,cuisine:{$nin: ['American','Chinese']},{restaurant_id:1,name:1,borough:1,cuisine:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b6c"),
  "borough" : "Brooklyn",
  "cuisine" : "Delicatessen",
  "name" : "Wilken'S Fine Food",
  "restaurant_id" : "40356483"
}
{
  "_id" : ObjectId("643af47d129cf64300062977"),
  "borough" : "Bronx",
  "cuisine" : "Pizza",
  "name" : "Wilbel Pizza",
  "restaurant_id" : "40871979"
}
{
  "_id" : ObjectId("643af47d129cf64300062ac3"),
  "borough" : "Manhattan",
  "cuisine" : "Seafood",
  "name" : "Wild Edibles",
  "restaurant_id" : "40928482"
}
{
  "_id" : ObjectId("643af47d129cf643000635ff"),
  "borough" : "Brooklyn",
  "cuisine" : "Bagels/Pretzels",
  "name" : "Wild Bagels",
  "restaurant_id" : "41225826"
}
{
  "_id" : ObjectId("643af47d129cf643000636df"),
  "borough" : "Bronx",
  "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)",
  "name" : "Willie'S Steak House",
  "restaurant_id" : "41239497"
}
{
  "_id" : ObjectId("643af47e129cf64300063da5"),
  "borough" : "Manhattan",
  "cuisine" : "Café/Coffee/Tea",
  "name" : "William Greenberg Jr Desserts",
  "restaurant_id" : "41353639"
}
{
  "_id" : ObjectId("643af47e129cf64300063e9c"),
  "borough" : "Brooklyn",
  "cuisine" : "Vegetarian",
  "name" : "Wild Ginger Vegan Cafe",
  "restaurant_id" : "41369777"
}
```



```
{
  "_id" : ObjectId("643af47e129cf64300063ecc"),
  "borough" : "Manhattan",
  "cuisine" : "Irish",
  "name" : "Wilfie & Nell",
  "restaurant_id" : "41372275"
}
{
  "_id" : ObjectId("643af47e129cf643000643de"),
  "borough" : "Manhattan",
  "cuisine" : "Vegetarian",
  "name" : "Wild Ginger Vegetarian Kitchen",
  "restaurant_id" : "41433964"
}
{
  "_id" : ObjectId("643af47e129cf643000644cc"),
  "borough" : "Manhattan",
  "cuisine" : "Pizza",
  "name" : "Wild",
  "restaurant_id" : "41447856"
}
{
  "_id" : ObjectId("643af47e129cf64300065201"),
  "borough" : "Manhattan",
  "cuisine" : "Asian",
  "name" : "Wild Ginger",
  "restaurant_id" : "41600577"
}
{
  "_id" : ObjectId("643af47e129cf643000659ba"),
  "borough" : "Manhattan",
  "cuisine" : "Bakery",
  "name" : "William Greenberg Dessert",
  "restaurant_id" : "41657368"
}
{
  "_id" : ObjectId("643af47e129cf64300065b48"),
  "borough" : "Brooklyn",
  "cuisine" : "Pizza/Italian",
  "name" : "Williamsburg Pizza",
  "restaurant_id" : "41672156"
}
{
  "_id" : ObjectId("643af47e129cf64300065ba5"),
  "borough" : "Queens",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Wild Cherry",
  "restaurant_id" : "41675246"
}
```

```

{
  "_id" : ObjectId("643af47e129cf643000662d1"),
  "borough" : "Brooklyn",
  "cuisine" : "Chicken",
  "name" : "Willma Jean",
  "restaurant_id" : "41716939"
}
{
  "_id" : ObjectId("643af47e129cf643000663d5"),
  "borough" : "Brooklyn",
  "cuisine" : "Other",
  "name" : "Williamsburg Cinemas",
  "restaurant_id" : "41721782"
}
{
  "_id" : ObjectId("643af47e129cf64300066524"),
  "borough" : "Queens",
  "cuisine" : "Hamburgers",
  "name" : "Williams Burgers",
  "restaurant_id" : "50000453"
}
{
  "_id" : ObjectId("643af47e129cf643000668d0"),
  "borough" : "Brooklyn",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Williamsburg Creamery",
  "restaurant_id" : "50002107"
}
{
  "_id" : ObjectId("643af47e129cf64300066adb"),
  "borough" : "Manhattan",
  "cuisine" : "Pizza/Italian",
  "name" : "Williamsburg Pizza",
  "restaurant_id" : "50003214"
}
{
  "_id" : ObjectId("643af47f129cf643000675c7"),
  "borough" : "Queens",
  "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)",
  "name" : "Willie O'S",
  "restaurant_id" : "50012582"
}
Type "it" for more
>

```

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

```
db.restaurent.find({grades:{ $elemMatch: { grade:'A', score:11, date:ISODate("2014-08-11T00:00:00Z")}}},{restaurant_id:1,name:1,grades:1}).pretty();
```

```
> db.restaurent.find({grades:{ $elemMatch: { grade:'A', score:11, date:ISODate("2014-08-11T00:00:00Z")}}},{restaurant_id:1,name:1,grades:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061cbc"),
  "grades" : [
    {
      "date" : ISODate("2014-08-11T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2013-12-10T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2013-06-10T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2012-06-08T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2012-01-25T00:00:00Z"),
      "grade" : "A",
      "score" : 8
    },
    {
      "date" : ISODate("2011-09-13T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    }
  ],
  "name" : "Don Filippo Restaurant",
  "restaurant_id" : "40372417"
}
{
  "_id" : ObjectId("643af47d129cf64300062a93"),
  "grades" : [
    {
      "date" : ISODate("2014-08-11T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2014-02-04T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    }
  ]
}
```



```

        "date" : ISODate("2013-06-19T00:00:00Z"),
        "grade" : "A",
        "score" : 2
    },
    {
        "date" : ISODate("2012-06-25T00:00:00Z"),
        "grade" : "A",
        "score" : 12
    },
    {
        "date" : ISODate("2012-02-08T00:00:00Z"),
        "grade" : "A",
        "score" : 5
    }
],
"name" : "Cosi",
"restaurant_id" : "40922983"
}
{
    "_id" : ObjectId("643af47d129cf6430006364b"),
    "grades" : [
        {
            "date" : ISODate("2014-08-11T00:00:00Z"),
            "grade" : "A",
            "score" : 11
        },
        {
            "date" : ISODate("2014-02-07T00:00:00Z"),
            "grade" : "A",
            "score" : 12
        },
        {
            "date" : ISODate("2012-12-05T00:00:00Z"),
            "grade" : "A",
            "score" : 8
        },
        {
            "date" : ISODate("2012-07-13T00:00:00Z"),
            "grade" : "A",
            "score" : 12
        },
        {
            "date" : ISODate("2012-02-08T00:00:00Z"),
            "grade" : "A",
            "score" : 9
        }
    ],
    "name" : "Subway",
    "restaurant_id" : "41230741"
}

```

```

    "_id" : ObjectId("643af47e129cf64300063e69"),
    "grades" : [
      {
        "date" : ISODate("2014-08-11T00:00:00Z"),
        "grade" : "A",
        "score" : 11
      },
      {
        "date" : ISODate("2014-03-31T00:00:00Z"),
        "grade" : "A",
        "score" : 13
      },
      {
        "date" : ISODate("2013-02-25T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      },
      {
        "date" : ISODate("2012-01-11T00:00:00Z"),
        "grade" : "A",
        "score" : 7
      }
    ],
    "name" : "Smorgas Chef At Scandinavia House",
    "restaurant_id" : "41366873"
  }
}

{
  "_id" : ObjectId("643af47e129cf64300064379"),
  "grades" : [
    {
      "date" : ISODate("2014-08-11T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2014-02-12T00:00:00Z"),
      "grade" : "A",
      "score" : 5
    },
    {
      "date" : ISODate("2013-08-15T00:00:00Z"),
      "grade" : "B",
      "score" : 21
    },
    {
      "date" : ISODate("2013-03-06T00:00:00Z"),
      "grade" : "A",
      "score" : 7
    },
    {

```

```

    "name" : "Schmitz Express",
    "restaurant_id" : "41428543"
  }
}
{
  "_id" : ObjectId("643af47e129cf643000643c6"),
  "grades" : [
    {
      "date" : ISODate("2015-01-17T00:00:00Z"),
      "grade" : "A",
      "score" : 6
    },
    {
      "date" : ISODate("2014-08-11T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2013-12-26T00:00:00Z"),
      "grade" : "A",
      "score" : 7
    },
    {
      "date" : ISODate("2013-06-12T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2012-05-08T00:00:00Z"),
      "grade" : "A",
      "score" : 5
    }
  ],
  "name" : "Sweet Afton",
  "restaurant_id" : "41432714"
}
{
  "_id" : ObjectId("643af47e129cf64300064d0b"),
  "grades" : [
    {
      "date" : ISODate("2014-08-11T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2013-07-02T00:00:00Z"),
      "grade" : "A",
      "score" : 4
    },
    {
      "date" : ISODate("2013-02-02T00:00:00Z"),

```

```
        "date" : ISODate("2011-12-22T00:00:00Z"),
        "grade" : "A",
        "score" : 13
    },
    {
        "date" : ISODate("2011-08-16T00:00:00Z"),
        "grade" : "A",
        "score" : 7
    }
],
"name" : "Wen Ming Chinese Restaurant",
"restaurant_id" : "41549803"
}
{
    "_id" : ObjectId("643af47e129cf643000663b5"),
    "grades" : [
        {
            "date" : ISODate("2014-08-11T00:00:00Z"),
            "grade" : "A",
            "score" : 11
        },
        {
            "date" : ISODate("2013-08-16T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        }
    ],
    "name" : "Subway",
    "restaurant_id" : "41721364"
}
{
    "_id" : ObjectId("643af47e129cf64300066e02"),
    "grades" : [
        {
            "date" : ISODate("2014-08-11T00:00:00Z"),
            "grade" : "A",
            "score" : 11
        },
        {
            "date" : ISODate("2014-03-31T00:00:00Z"),
            "grade" : "B",
            "score" : 27
        }
    ],
    "name" : "China King",
    "restaurant_id" : "50005588"
}
>
```

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

```
db.restaurent.find({$and: [{"grades.1.grade":'A'}, {"grades.1.score":9}, {"grades.1.date" : ISODate("2014-08-11T00:00:00Z")}]}},{_id:0,restaurant_id:1, name:1, grades:1}).pretty();
```

```
> db.restaurent.find({$and: [{"grades.1.grade":'A'}, {"grades.1.score":9}, {"grades.1.date" : ISODate("2014-08-11T00:00:00Z")}]}},{_id:0,restaurant_id:1, name:1, grades:1}).pretty();
{
  "grades" : [
    {
      "date" : ISODate("2015-01-12T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    },
    {
      "date" : ISODate("2014-08-11T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2014-01-14T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2013-02-07T00:00:00Z"),
      "grade" : "A",
      "score" : 10
    },
    {
      "date" : ISODate("2012-04-30T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    }
  ],
  "name" : "Club Macanudo (Cigar Bar)",
  "restaurant_id" : "40526406"
}
{
  "grades" : [
    {
      "date" : ISODate("2015-01-15T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2014-08-11T00:00:00Z"),
      "grade" : "A",
      "score" : 9
    },
    {
      "date" : ISODate("2013-06-18T00:00:00Z"),
      "grade" : "A",
      "score" : 7
    }
  ],
  {
```

```

        "date" : ISODate("2013-01-24T00:00:00Z"),
        "grade" : "A",
        "score" : 2
    },
    {
        "date" : ISODate("2012-06-11T00:00:00Z"),
        "grade" : "A",
        "score" : 11
    }
],
"name" : "Shoolbred'S",
"restaurant_id" : "41302014"
}
{
    "grades" : [
        {
            "date" : ISODate("2014-12-27T00:00:00Z"),
            "grade" : "A",
            "score" : 11
        },
        {
            "date" : ISODate("2014-08-11T00:00:00Z"),
            "grade" : "A",
            "score" : 9
        },
        {
            "date" : ISODate("2014-02-24T00:00:00Z"),
            "grade" : "A",
            "score" : 10
        },
        {
            "date" : ISODate("2013-01-08T00:00:00Z"),
            "grade" : "A",
            "score" : 12
        },
        {
            "date" : ISODate("2012-06-27T00:00:00Z"),
            "grade" : "A",
            "score" : 6
        },
        {
            "date" : ISODate("2012-01-26T00:00:00Z"),
            "grade" : "A",
            "score" : 5
        }
    ],
    "name" : "Cabana",
    "restaurant_id" : "41309951"
}
{

```

```
    "name" : "Cubana",  
    "restaurant_id" : "41309951"  
  },  
  {  
    "grades" : [  
      {  
        "date" : ISODate("2015-01-06T00:00:00Z"),  
        "grade" : "A",  
        "score" : 10  
      },  
      {  
        "date" : ISODate("2014-08-11T00:00:00Z"),  
        "grade" : "A",  
        "score" : 9  
      },  
      {  
        "date" : ISODate("2014-01-30T00:00:00Z"),  
        "grade" : "B",  
        "score" : 15  
      }  
    ],  
    "name" : "Obao Noodles & Bbq",  
    "restaurant_id" : "41585019"  
  }  
}
```

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

```
db.restaurent.find({"address.coord.1":{"$gt:42,$lt:52"}},{restaurent_id:1,name:1,address:1,coord:}
pretty());
```

```
{
  "_id" : ObjectId("643af47d129cf64300061e05"),
  "address" : {
    "building" : "47",
    "coord" : [
      -78.877224,
      42.89546199999999
    ],
    "street" : "Broadway @ Trinity Pl",
    "zipcode" : "10006"
  },
  "name" : "T.G.I. Friday'S"
}
{
  "_id" : ObjectId("643af47d129cf64300061e32"),
  "address" : {
    "building" : "1",
    "coord" : [
      -0.7119979,
      51.6514664
    ],
    "street" : "Pennplaza E, Penn Sta",
    "zipcode" : "10001"
  },
  "name" : "T.G.I. Fridays"
}
{
  "_id" : ObjectId("643af47d129cf6430006208c"),
  "address" : {
    "building" : "3000",
    "coord" : [
      -87.86567699999999,
      42.61150920000001
    ],
    "street" : "47 Avenue",
    "zipcode" : "11101"
  },
  "name" : "Di Luvio'S Deli"
}
{
  "_id" : ObjectId("643af47d129cf643000622be"),
  "address" : {
    "building" : "21972199",
    "coord" : [
      -78.589606,
      42.8912372
    ],
    "street" : "Broadway",
    "zipcode" : "10024"
  },
  "name" : "T.G.I. Friday'S"
}
```



```

    "name" : "La Caridad 78"
  }
  {
    "_id" : ObjectId("643af47d129cf64300062992"),
    "address" : {
      "building" : "7981",
      "coord" : [
        -84.9751215,
        45.4713351
      ],
      "street" : "Hoyt Street",
      "zipcode" : "11201"
    },
    "name" : "Bijan'S"
  }
  {
    "_id" : ObjectId("643af47d129cf643000629a7"),
    "address" : {
      "building" : "0",
      "coord" : [
        -88.0778799,
        42.4154769
      ],
      "street" : "& Grand Central",
      "zipcode" : "10017"
    },
    "name" : "Hyatt, Ny Central/Room Service"
  }
  {
    "_id" : ObjectId("643af47d129cf643000629bc"),
    "address" : {
      "building" : "60",
      "coord" : [
        -111.9975205,
        42.0970258
      ],
      "street" : "West Side Highway",
      "zipcode" : "10006"
    },
    "name" : "Sports Center At Chelsea Piers (Sushi Bar)"
  }
  {
    "_id" : ObjectId("643af47d129cf64300062f3a"),
    "address" : {
      "building" : "1",
      "coord" : [
        -72.4751457,
        43.2956803
      ],
      "street" : "Wall Street Court",

```

```

        "street" : "Wall Street Court",
        "zipcode" : "10005"
    },
    "name" : "Fino Ristorante"
}
{
    "_id" : ObjectId("643af47d129cf64300062fc6"),
    "address" : {
        "building" : "350",
        "coord" : [
            -93.2069217,
            43.14769159999999
        ],
        "street" : "5 Avenue",
        "zipcode" : "10018"
    },
    "name" : "Heartland Brewery"
}
{
    "_id" : ObjectId("643af47d129cf64300063245"),
    "address" : {
        "building" : "0",
        "coord" : [
            -73.66037349999999,
            42.4476886
        ],
        "street" : "Concourse B",
        "zipcode" : "11371"
    },
    "name" : "Dunkin' Donuts"
}
{
    "_id" : ObjectId("643af47d129cf64300063259"),
    "address" : {
        "building" : "1342",
        "coord" : [
            -73.8162457,
            42.7025194
        ],
        "street" : "Central Avenue",
        "zipcode" : "11691"
    },
    "name" : "New Beijing Restaurant"
}
{
    "_id" : ObjectId("643af47d129cf643000635df"),
    "address" : {
        "building" : "350",
        "coord" : [
            -93.2069217,

```

```
        "street" : "5 Avenue",
        "zipcode" : "10018"
    },
    "name" : "Chipotle Mexican Grill"
}
{
    "_id" : ObjectId("643af47d129cf64300063634"),
    "address" : {
        "building" : "350",
        "coord" : [
            -93.2069217,
            43.14769159999999
        ],
        "street" : "5 Avenue",
        "zipcode" : "10018"
    },
    "name" : "Europa Cafe"
}
{
    "_id" : ObjectId("643af47d129cf64300063872"),
    "address" : {
        "building" : "350",
        "coord" : [
            -93.2069217,
            43.14769159999999
        ],
        "street" : "5 Avenue",
        "zipcode" : "10018"
    },
    "name" : "Ny Skyride"
}
{
    "_id" : ObjectId("643af47d129cf64300063a41"),
    "address" : {
        "building" : "1",
        "coord" : [
            -72.4751457,
            43.2956803
        ],
        "street" : "Wall Street Court",
        "zipcode" : "10005"
    },
    "name" : "Haru"
}
{
    "_id" : ObjectId("643af47e129cf64300063b46"),
    "address" : {
        "building" : "1618",
        "coord" : [
            -77.6873462,
```

```

        "street" : "Maiden Lane",
        "zipcode" : "10038"
    },
    "name" : "Oka Sushi"
}
{
    "_id" : ObjectId("643af47e129cf64300063d02"),
    "address" : {
        "building" : "7072",
        "coord" : [
            -85.70723199999999,
            42.3625186
        ],
        "street" : "North 6 Street",
        "zipcode" : "11211"
    },
    "name" : "Black Bear Bar"
}
{
    "_id" : ObjectId("643af47e129cf64300063d4d"),
    "address" : {
        "building" : "350",
        "coord" : [
            -93.2069217,
            43.14769159999999
        ],
        "street" : "5 Avenue",
        "zipcode" : "10018"
    },
    "name" : "Starbucks Coffee"
}
{
    "_id" : ObjectId("643af47e129cf64300063e6f"),
    "address" : {
        "building" : "0",
        "coord" : [
            0.5595998999999999,
            51.3940452
        ],
        "street" : "Pier 78 West 38 Street",
        "zipcode" : "10018"
    },
    "name" : "Pier Side Cafe"
}
{
    "_id" : ObjectId("643af47e129cf64300064a80"),
    "address" : {
        "building" : "371113",
        "coord" : [
            -85.147576,

```

```

}
{
  "_id" : ObjectId("643af47e129cf64300063d4d"),
  "address" : {
    "building" : "350",
    "coord" : [
      -93.2069217,
      43.147691599999999
    ],
    "street" : "5 Avenue",
    "zipcode" : "10018"
  },
  "name" : "Starbucks Coffee"
}
{
  "_id" : ObjectId("643af47e129cf64300063e6f"),
  "address" : {
    "building" : "0",
    "coord" : [
      0.55959989999999999,
      51.3940452
    ],
    "street" : "Pier 78 West 38 Street",
    "zipcode" : "10018"
  },
  "name" : "Pier Side Cafe"
}
{
  "_id" : ObjectId("643af47e129cf64300064a80"),
  "address" : {
    "building" : "371113",
    "coord" : [
      -85.147576,
      44.1418976
    ],
    "street" : "30 Avenue",
    "zipcode" : "11103"
  },
  "name" : "Mexi Q Kitchen"
}
Type "it" for more
>

```

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

```
db.restaurent.find().sort({"name":1}).pretty();
```

```
restaurent
> db.restaurent.find().sort({name:1}).pretty();
{
  "_id" : ObjectId("643af47f129cf64300067c7a"),
  "address" : {
    "building" : "154",
    "coord" : [
      -73.9189064,
      40.8654529
    ],
    "street" : "Post Ave",
    "zipcode" : "10034"
  },
  "borough" : "Manhattan",
  "cuisine" : "Other",
  "grades" : [ ],
  "name" : "",
  "restaurant_id" : "50017887"
}
{
  "_id" : ObjectId("643af47f129cf64300067c87"),
  "address" : {
    "building" : "508",
    "coord" : [
      -73.999813,
      40.683876
    ],
    "street" : "Henry St",
    "zipcode" : "11231"
  },
  "borough" : "Brooklyn",
  "cuisine" : "Other",
  "grades" : [ ],
  "name" : "",
  "restaurant_id" : "50017910"
}
{
```

```

    }
  ],
  "name" : "#1 Me. Nick'S",
  "restaurant_id" : "50014031"
}
{
  "_id" : ObjectId("643af47e129cf64300063cb2"),
  "address" : {
    "building" : "4120",
    "coord" : [
      -73.8584942,
      40.8913102
    ],
    "street" : "White Plains Road",
    "zipcode" : "10466"
  },
  "borough" : "Bronx",
  "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)",
  "grades" : [
    {
      "date" : ISODate("2014-09-30T00:00:00Z"),
      "grade" : "Z",
      "score" : 27
    },
    {
      "date" : ISODate("2014-04-15T00:00:00Z"),
      "grade" : "C",
      "score" : 59
    },
    {
      "date" : ISODate("2013-01-29T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2012-08-29T00:00:00Z"),
      "grade" : "B",
      "score" : 26
    },
    {
      "date" : ISODate("2012-01-19T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    }
  ],
  "name" : "#1 Sabor Latino Restaurant",
  "restaurant_id" : "41336841"
}
{
  "_id" : ObjectId("643af47e129cf64300065ced"),

```

```

    }
  ],
  "name" : "$1.25 Pizza",
  "restaurant_id" : "41686184"
}
{
  "_id" : ObjectId("643af47e129cf6430006550b"),
  "address" : {
    "building" : "4926",
    "coord" : [
      -73.92142419999999,
      40.86739379999999
    ],
    "street" : "Broadway",
    "zipcode" : "10034"
  },
  "borough" : "Manhattan",
  "cuisine" : "Chinese",
  "grades" : [
    {
      "date" : ISODate("2014-07-16T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2014-01-10T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2013-04-10T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2012-09-04T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    },
    {
      "date" : ISODate("2012-02-01T00:00:00Z"),
      "grade" : "A",
      "score" : 13
    }
  ],
  "name" : "'U' Like Chinese Restaurant",
  "restaurant_id" : "41626741"
}
{
  "_id" : ObjectId("643af47f129cf64300067d8e"),

```


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

```
db.restaurent.find().sort({name:-1}).pretty();
```

```
> db.restaurent.find().sort({name:-1}).pretty();
{
  "_id" : ObjectId("643af47e129cf64300065fd5"),
  "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("643af47e129cf6430006666c"),
  "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("643af47e129cf64300066231"),
  "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("643af47e129cf6430006402e"),
  "address" : {
    "building" : "173",
    "coord" : [
```

27. 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.restaurent.find().sort({cuisine:1,borough:-1}).pretty();
```

```
type -- for more
> db.restaurent.find().sort({cuisine:1,borough:-1}).pretty();
{
  "_id" : ObjectId("643af47e129cf64300064bbd"),
  "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("643af47e129cf64300064dec"),
  "address" : {
    "building" : "68-16",
    "coord" : [
```

```

        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("643af47e129cf64300064eeb"),
    "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
        }
    ]
}

```

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

```
db.restaurent.find({"address.street":{"$exists: true}}).pretty();
```

```
> db.restaurent.find({"address.street":{"$exists: true}}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b64"),
  "address" : {
    "building" : "351",
    "coord" : [
      -73.98513559999999,
      40.7676919
    ],
    "street" : "West 57 Street",
    "zipcode" : "10019"
  },
  "borough" : "Manhattan",
  "cuisine" : "Irish",
  "grades" : [
    {
      "date" : ISODate("2014-09-06T00:00:00Z"),
      "grade" : "A",
      "score" : 2
    },
    {
      "date" : ISODate("2013-07-22T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2012-07-31T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2011-12-29T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    }
  ],
  "name" : "Dj Reynolds Pub And Restaurant",
  "restaurant_id" : "30191841"
}
{
  "_id" : ObjectId("643af47d129cf64300061b65"),
  "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("643af47d129cf64300061b66"),
  "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
    }
  ]
}

```

29. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.

```
db.restaurent.find({"address.coord":{"$type":"double"}}).pretty();
```

```
> db.restaurent.find({"address.coord":{"$type":"double"}}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b64"),
  "address" : {
    "building" : "351",
    "coord" : [
      -73.98513559999999,
      40.7676919
    ],
    "street" : "West 57 Street",
    "zipcode" : "10019"
  },
  "borough" : "Manhattan",
  "cuisine" : "Irish",
  "grades" : [
    {
      "date" : ISODate("2014-09-06T00:00:00Z"),
      "grade" : "A",
      "score" : 2
    },
    {
      "date" : ISODate("2013-07-22T00:00:00Z"),
      "grade" : "A",
      "score" : 11
    },
    {
      "date" : ISODate("2012-07-31T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    },
    {
      "date" : ISODate("2011-12-29T00:00:00Z"),
      "grade" : "A",
      "score" : 12
    }
  ],
  "name" : "Dj Reynolds Pub And Restaurant",
  "restaurant_id" : "30191841"
}
{
  "_id" : ObjectId("643af47d129cf64300061b65"),
  "address" : {
    "building" : "2780",
    "coord" : [
      -73.98241999999999,
      40.579505
    ],
    "street" : "Stillwell Avenue",
    "zipcode" : "11224"
  },
}
```

```

    "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("643af47d129cf64300061b66"),
  "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
    },
    {

```


30. Write a MongoDB query which will select the restaurant Id, name and grades for those restaurants which returns 0 as a remainder after dividing the score by 7.

```
db.restaurent.find({"grades.score":{$mod:[7,0]}},{restaurent_id:1,name:1,grades:1}).pretty();
```

```
> db.restaurent.find({"grades.score":{$mod:[7,0]}},{restaurent_id:1,name:1,grades:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061b65"),
  "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"
}
{
  "_id" : ObjectId("643af47d129cf64300061b66"),
  "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
    }
  ],
  "name" : "Riviera Caterer"
}
```

```

        "date" : ISODate("2011-03-10T00:00:00Z"),
        "grade" : "B",
        "score" : 14
    },
    ],
    "name" : "Morris Park Bake Shop"
}
{
    "_id" : ObjectId("643af47d129cf64300061b68"),
    "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"
}
{
    "_id" : ObjectId("643af47d129cf64300061b6f"),
    "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
        }
    ]
}

```

31. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and cuisine for those restaurants which contains 'mon' as three letters somewhere in its name.

```
db.restaurent.find({name:/mon/},{restaurant_id:1,name:1,borough:1,"address.coord":1,cuisine:1}).pretty();
```

```
> db.restaurent.find({name:/mon/},{restaurant_id:1,name:1,borough:1,"address.coord":1,cuisine:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf64300061c00"),
  "address" : {
    "coord" : [
      -73.8221418,
      40.7272376
    ]
  },
  "borough" : "Queens",
  "cuisine" : "Jewish/Kosher",
  "name" : "Shimons Kosher Pizza",
  "restaurant_id" : "40366586"
}
{
  "_id" : ObjectId("643af47d129cf64300061c01"),
  "address" : {
    "coord" : [
      -73.98306099999999,
      40.7441419
    ]
  },
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Desmond'S Tavern",
  "restaurant_id" : "40366396"
}
{
  "_id" : ObjectId("643af47d129cf64300061c0c"),
  "address" : {
    "coord" : [
      -74.10465599999999,
      40.58834
    ]
  },
  "borough" : "Staten Island",
  "cuisine" : "American",
  "name" : "Richmond County Country Club",
  "restaurant_id" : "40366928"
}
{
  "_id" : ObjectId("643af47d129cf64300061c36"),
  "address" : {
    "coord" : [
      -73.9812843,
      40.5947365
    ]
  },
  "borough" : "Brooklyn",
  "cuisine" : "Pizza/Italian",
}
```

```
    "cuisine" : "Pizza/Italian",
    "name" : "Lb Spumoni Gardens",
    "restaurant_id" : "40367860"
  }
}
{
  "_id" : ObjectId("643af47d129cf64300061c89"),
  "address" : {
    "coord" : [
      -73.951199,
      40.7166026
    ]
  },
  "borough" : "Brooklyn",
  "cuisine" : "Italian",
  "name" : "Bamonte'S Restaurant",
  "restaurant_id" : "40370015"
}
{
  "_id" : ObjectId("643af47d129cf64300061cc0"),
  "address" : {
    "coord" : [
      -73.924072,
      40.761089000000001
    ]
  },
  "borough" : "Queens",
  "cuisine" : "Greek",
  "name" : "Omonia Cafe",
  "restaurant_id" : "40372445"
}
{
  "_id" : ObjectId("643af47d129cf64300061d44"),
  "address" : {
    "coord" : [
      -73.9901605,
      40.7526176
    ]
  },
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Delmonico'S Kitchen",
  "restaurant_id" : "40379620"
}
{
  "_id" : ObjectId("643af47d129cf64300061ee5"),
  "address" : {
    "coord" : [
      -73.9707505,
      40.7635651
    ]
  }
}
```

32. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and cuisine for those restaurants which contain 'Mad' as first three letters of its name.

```
db.restaurent.find({name:/^Mod/},{restaurant_id:1,name:1,borough:1,"address.coord":1,cuisine:1}).pretty();
```

```
> db.restaurent.find({name:/^Mod/},{restaurant_id:1,name:1,borough:1,"address.coord":1,cuisine:1}).pretty();
{
  "_id" : ObjectId("643af47d129cf6430006256c"),
  "address" : {
    "coord" : [
      -73.99165099999999,
      40.732144
    ]
  },
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Modern Gourmet",
  "restaurant_id" : "40690019"
}
{
  "_id" : ObjectId("643af47e129cf64300064ceb"),
  "address" : {
    "coord" : [
      -73.96194249999999,
      40.7169646
    ]
  },
  "borough" : "Brooklyn",
  "cuisine" : "Café/Coffee/Tea",
  "name" : "Modca By El Beit",
  "restaurant_id" : "41548372"
}
{
  "_id" : ObjectId("643af47e129cf643000650ef"),
  "address" : {
    "coord" : [
      -73.995611,
      40.747126
    ]
  },
  "borough" : "Manhattan",
  "cuisine" : "Café/Coffee/Tea",
  "name" : "Moda Espresso Bar",
  "restaurant_id" : "41589718"
}
{
  "_id" : ObjectId("643af47f129cf643000677e3"),
  "address" : {
    "coord" : [
      -73.78809079999999,
      40.7578591
    ]
  },
  "borough" : "Queens",
  "cuisine" : "Korean",
}
```