

```
mongoimport --db tya --collection hotel --file restaurants.json
```

```
2023-07-16T09:58:10.962+0530    connected to: mongodb://localhost/
2023-07-16T09:58:11.880+0530    3772 document(s) imported successfully.
0 document(s) failed to import.
```

```
a. tya> db.hotel.find()
```

```
b. tya> db.hotel.find({}, {restaurant_id: 1, borough: 1, cuisine: 1})
```

```
[
  {
    _id: ObjectId("64b371db83e252ef9fe27cfd"),
    borough: 'Brooklyn',
    cuisine: 'American ',
    restaurant_id: '40356018'
  },
  {
    _id: ObjectId("64b371db83e252ef9fe27cfe"),
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    restaurant_id: '30112340'
  }, ...
]
```

```
c. tya> db.hotel.find({}, {restaurant_id: 1, borough: 1, cuisine: 1, _id:
0})
```

```
[
  {
    borough: 'Brooklyn',
    cuisine: 'American ',
    restaurant_id: '40356018'
  },
  {
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    restaurant_id: '30112340'
  }, ...
]
```

```
d. tya> db.hotel.find({borough: "Bronx"})
```

```
[
  {
    _id: ObjectId("64b371db83e252ef9fe27cff"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }, ...
]
```

e. `tya> db.hotel.find({borough: "Bronx"}).limit(5).pretty()`

```
[
  {
    _id: ObjectId("64b371db83e252ef9fe27cff"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }, ... (+4)
]
```

f. `tya> db.hotel.find({borough: "Bronx"}).skip(5).limit(5).pretty()`

```
[
  {
    _id: ObjectId("64b371db83e252ef9fe27d37"),
    address: {
      building: '658',
      coord: [ -73.81363999999999, 40.829411000000001 ],
      street: 'Clarence Ave',
      zipcode: '10465'
    },
    borough: 'Bronx',
    cuisine: 'American ',
    name: 'Manhem Club',
    restaurant_id: '40364363'
  }, ...
]
```

g. `tya> db.hotel.find({name: {$regex: /^Wil/i}},{restaurant_id: 1, name: 1, borough: 1, cuisine: 1})`

```
[
  {
    borough: 'Brooklyn',
    cuisine: 'Delicatessen',
    name: "Wilken'S Fine Food",
    restaurant_id: '40356483'
  },
  {
    borough: 'Bronx',
    cuisine: 'American ',
    name: 'Wild Asia',
    restaurant_id: '40357217'
  }, ...
]
```

```
h. tya> db.hotel.find({name: {$regex: /ces$/i}}, {restaurant_id: 1, name: 1, borough: 1, cuisine: 1})
```

```
[
  {
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Pieces',
    restaurant_id: '40399910'
  },
  {
    borough: 'Queens',
    cuisine: 'American ',
    name: 'S.M.R Restaurant Services',
    restaurant_id: '40403857'
  }, ...
]
```

```
i. tya> db.hotel.find({name: {$regex: /ces$/i}}, {restaurant_id: 1, name: 1, borough: 1, cuisine: 1})
```

```
[
  {
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Pieces',
    restaurant_id: '40399910'
  },
  {
    borough: 'Queens',
    cuisine: 'American ',
    name: 'S.M.R Restaurant Services',
    restaurant_id: '40403857'
  }, ...
]
```

```
j. tya> db.hotel.find({borough: "Bronx", cuisine: {$in: ["Russian","Chinese"]}}, {_id: 0})
```

```
[
  {
    address: {
      building: '1236',
      coord: [ -73.8893654, 40.81376179999999 ],
      street: '238 Spofford Ave',
      zipcode: '10474'
    },
    borough: 'Bronx',
    cuisine: 'Chinese',
  }, ...
]
```

```
k. tya> db.hotel.find({"grades.score": {$gt: 10},cuisine: {$ne: "American"
}})
```

```
[
  {
    address: {
      building: '469',
      coord: [ -73.961704, 40.662942 ],
      street: 'Flatbush Avenue',
      zipcode: '11225'
    },
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    grades: [ ... ,
      date: ISODate("2013-04-30T00:00:00.000Z"),
      grade: 'A',
      score: 12
    ], ...
  },
  name: "Wendy'S",
  restaurant_id: '30112340'
}, ...
]
```

```
l. tya> db.hotel.find({"address.coord.0": {$lt: -95.754168}})
```

```
[
  {
    address: {
      building: '3707',
      coord: [ -101.8945214, 33.5197474 ],
      street: '82 Street',
      zipcode: '11372'
    },
    borough: 'Queens',
    cuisine: 'American ',
    name: 'Burger King',
    restaurant_id: '40534067'
  }, ...
]
```

```
m. tya> db.hotel.find({$or: [{cuisine: {$nin: ["American ", "Chinese"]}},
{name: {$regex: /^Wil/i}}]}, {_id: 0, restaurant_id: 1, name: 1, borough:
1, cuisine: 1})
```

```
[
  {
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: "Wendy'S",
    restaurant_id: '30112340'
  },
  {
    borough: 'Bronx',
    cuisine: 'American ',
    name: 'Wild Asia',
    restaurant_id: '40357217'
  }, ... ]
```

```
n. tya> db.hotel.find({"grades.date": ISODate("2014-08-11T00:00:00Z"),
"grades.grade": "A", "grades.score": 11},{_id: 0, restaurant_id: 1, name:
1, grades: 1})
```

```
[
  {
    grades: [
      {
        date: ISODate("2014-08-11T00:00:00.000Z"),
        grade: 'A',
        score: 13
      }, ...
    ],
    name: "Neary'S Pub",
    restaurant_id: '40365871'
  }, ...
]
```

```
o. tya> db.hotel.find({"address.coord.1": {$gt: 42, $lt: 52}}, {_id: 0,
restaurant_id: 1, name: 1, address: 1})
```

```
[
  {
    address: {
      building: '47',
      coord: [ -78.877224, 42.89546199999999 ],
      street: 'Broadway @ Trinity Pl',
      zipcode: '10006'
    },
    name: "T.G.I. Friday'S",
    restaurant_id: '40387990'
  }, ...
]
```

```
p. tya> db.hotel.find().sort({name: 1})
```

```
[
  {
    _id: ObjectId("64b371db83e252ef9fe2898d"),
    address: {
      building: '129',
      coord: [ -73.962943, 40.685007 ],
      street: 'Gates Avenue',
      zipcode: '11238'
    },
    borough: 'Brooklyn',
    cuisine: 'Italian',
    name: '(Lewis Drug Store) Locanda Vini E Olii',
    restaurant_id: '40804423'
  }, ...
]
```

```
q. tya> db.hotel.find({name: {$regex: /mon/i}}, {name: 1, borough: 1,
"address.coord": 1, _id: 0})
```

```
[
  {
    address: { coord: [ -73.98306099999999, 40.7441419 ] },
    borough: 'Manhattan',
    name: "Desmond'S Tavern"
  },
  {
    address: { coord: [ -73.8221418, 40.7272376 ] },
    borough: 'Queens',
    name: 'Shimons Kosher Pizza'
  }, ...
]
```

```
r. tya> db.hotel.find({name: {$regex: /^Mad/i}}, {name: 1, borough: 1,
"address.coord": 1, _id: 0})
```

```
[
  {
    address: { coord: [ -73.9860597, 40.7431194 ] },
    borough: 'Manhattan',
    name: 'Madison Square'
  },
  {
    address: { coord: [ -73.98302199999999, 40.742313 ] },
    borough: 'Manhattan',
    name: 'Madras Mahal'
  }, ...
]
```