```
1)
> db.createCollection('restaurants')
{ "ok" : 1 }
2)
> db.restaurants.insert({ "borough": "Bronx", "cuisine": "Bakery", "grades":
[ { "date": "06/09/2021", "grade": "A", "score": 2 }, { "date": "16/10/2021",
"grade": "A", "score": 6 } ], "name": "Morris Park Bake Shop" })
WriteResult({ "nInserted" : 1 })
3)
> db.restaurants.find().pretty()
{
     "_id": ObjectId("6241a34759c1a55ad08328c4"),
     "borough": "Bronx",
     "cuisine": "Bakery",
     "grades" : [
          {
               "date": "06/09/2021",
               "grade": "A",
               "score": 2
          },
               "date": "16/10/2021",
               "grade" : "A",
               "score": 6
          }
     "name" : "Morris Park Bake Shop"
}
4)
> db.restaurants.update({"_id" : ObjectId("6241a34759c1a55ad08328c4")},
{$set: {address: [{ "building": "1007"},{"coord": [-73.856077,40.848447]},
{"street": "Moris Park Ave"},{"zipcode": "10462"}]}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.restaurants.find().pretty()
```

```
{
    "_id": ObjectId("6241a34759c1a55ad08328c4"),
    "borough": "Bronx",
    "cuisine": "Bakery",
    "grades" : [
        {
             "date": "06/09/2021",
             "grade": "A",
             "score": 2
        },
         {
             "date": "16/10/2021",
             "grade": "A",
             "score": 6
        }
    "name": "Morris Park Bake Shop",
    "address" : [
        {
             "building" : "1007"
        },
        {
             "coord":[
                 -73.856077,
                 40.848447
             1
        },
         {
             "street": "Moris Park Ave"
        },
        {
             "zipcode": "10462"
        }
    ]
}
> db.restaurants.update({"_id" : ObjectId("6241a34759c1a55ad08328c4")},
"01/12/2021" },{"grade" : "A"},{"score" : 9},{"date" : "26/01/2022" },{"grade" :
"B"},{"score": 14}]}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
5)
db.restaurants.find({"address" : {"zipcode" : "10462"}})
```

```
{ "_id" : ObjectId("6241a34759c1a55ad08328c4"), "borough" : "Bronx",
"cuisine": "Bakery", "grades": [ [ { "date": "25/10/2021" }, { "grade": "A" },
{ "score" : 10 } ], [ { "date" : "01/12/2021" }, { "grade" : "A" }, { "score" : 9 } ],
[ { "date" : "26/01/2022" }, { "grade" : "B" }, { "score" : 14 } ] ], "name" : "Morris
Park Bake Shop", "address" : [ { "building" : "1007" }, { "coord" : [ -73.856077,
40.848447 ] }, { "street" : "Moris Park Ave" }, { "zipcode" : "10462" } ] }
6)
> db.restaurants.find({"grades.date" : /2022$/})
{ "_id" : ObjectId("6241a34759c1a55ad08328c4"), "borough" : "Bronx",
"cuisine": "Bakery", "grades": [{ "date": "25/10/2021"}, { "grade": "A"},
{ "score" : 10 }, { "date" : "01/12/2021" }, { "grade" : "A" }, { "score" : 9 },
{ "date" : "26/01/2022" }, { "grade" : "B" }, { "score" : 14 } ], "name" : "Morris
Park Bake Shop", "address" : [ { "building" : "1007" }, { "coord" : [ -73.856077,
40.848447] }, { "street" : "Moris Park Ave" }, { "zipcode" : "10462" } ] }
7)
>db.restaurants.insert({"address": {"building": "469", "coord": [-73.961704,
40.662942], "street": "Flatbush Avenue", "zipcode": "11225"}, "borough":
"Brooklyn", "cuisine": "Hamburgers", "grades": [{"date": {"$date":
1419897600000}, "grade": "A", "score": 8}, {"date": {"$date":
1404172800000}, "grade": "B", "score": 23}, {"date": {"$date":
1367280000000}, "grade": "A", "score": 12}, {"date": {"$date":
1336435200000}, "grade": "A", "score": 12}], "name": "Wendy'S",
"restaurant_id": "30112340"})
>WriteResult({ "nInserted" : 1 })
>db.restaurants.insert({"address": {"building": "351", "coord":
[-73.98513559999999, 40.7676919], "street": "West 57 Street", "zipcode":
"10019"}, "borough": "Manhattan", "cuisine": "Irish", "grades": [{"date":
{"$date": 1409961600000}, "grade": "A", "score": 2}, {"date": {"$date":
1374451200000}, "grade": "A", "score": 11}, {"date": {"$date":
1343692800000}, "grade": "A", "score": 12}, {"date": {"$date":
1325116800000}, "grade": "A", "score": 12}], "name": "Dj Reynolds Pub And
Restaurant", "restaurant_id": "30191841"})
>WriteResult({ "nInserted" : 1 })
8)
> db.restaurants.find({"name" : /^M/})
{ "_id" : ObjectId("6241a34759c1a55ad08328c4"), "borough" : "Bronx",
"cuisine": "Bakery", "grades": [{ "date": "25/10/2021"}, { "grade": "A"},
{ "score" : 10 }, { "date" : "01/12/2021" }, { "grade" : "A" }, { "score" : 9 },
{ "date" : "26/01/2022" }, { "grade" : "B" }, { "score" : 14 } ], "name" : "Morris
```

```
Park Bake Shop", "address" : [ { "building" : "1007" }, { "coord" : [ -73.856077,
40.848447] }, { "street" : "Moris Park Ave" }, { "zipcode" : "10462" } ] }
9)
> db.restaurants.find().count()
4
10)
> db.restaurants.find({},{"name": 1,"cuisine": "Irish"})
{ "_id" : ObjectId("6241a34759c1a55ad08328c4"), "name" : "Morris Park Bake
Shop", "cuisine" : "Irish" }
{ "_id" : ObjectId("6241b59659c1a55ad08328c5"), "name" : "Wendy'S",
"cuisine": "Irish" }
{ "_id" : ObjectId("6241b5a559c1a55ad08328c6"), "name" : "Wendy'S",
"cuisine": "Irish" }
{ "_id" : ObjectId("6241b69459c1a55ad08328c7"), "name" : "Dj Reynolds Pub
And Restaurant", "cuisine": "Irish" }
11)
> db.restaurants.find().sort({"name":1}).pretty()
     "_id": ObjectId("6241b69459c1a55ad08328c7"),
     "address" : {
         "building": "351",
          "coord":[
              -73.98513559999999,
              40.7676919
         ],
          "street": "West 57 Street",
          "zipcode": "10019"
    },
     "borough": "Manhattan",
     "cuisine": "Irish",
     "grades" : [
         {
              "date" : {
                   "$date": 1409961600000
              },
               "grade": "A",
              "score": 2
         },
              "date" : {
                   "$date": 1374451200000
               "grade": "A",
```

```
"score": 11
         },
         {
              "date" : {
                   "$date": 1343692800000
              "grade": "A",
              "score": 12
         },
         {
              "date" : {
                   "$date": 1325116800000
              "grade": "A",
              "score": 12
         }
     "name": "Dj Reynolds Pub And Restaurant",
     "restaurant_id" : "30191841"
}
{
     "_id": ObjectId("6241a34759c1a55ad08328c4"),
     "borough": "Bronx",
     "cuisine": "Bakery",
     "grades" : [
         {
              "date": "25/10/2021"
         },
         {
              "grade": "A"
         },
         {
              "score": 10
         },
         {
              "date": "01/12/2021"
         },
         {
              "grade": "A"
         },
              "score": 9
         },
              "date": "26/01/2022"
         },
         {
```

```
"grade": "B"
         },
         {
              "score": 14
         }
     ],
     "name": "Morris Park Bake Shop",
     "address":[
         {
              "building" : "1007"
         },
         {
              "coord":[
                   -73.856077,
                   40.848447
              ]
         },
         {
              "street": "Moris Park Ave"
         },
              "zipcode": "10462"
         }
     ]
}
{
     "_id": ObjectId("6241b59659c1a55ad08328c5"),
     "address" : {
          "building": "469",
          "coord":[
              -73.961704,
              40.662942
         ],
          "street": "Flatbush Avenue",
          "zipcode": "11225"
     },
     "borough": "Brooklyn",
     "cuisine": "Hamburgers",
     "grades" : [
         {
              "date" : {
                   "$date": 1419897600000
              },
              "grade": "A",
              "score":8
         },
         {
```

```
"date" : {
                   "$date": 1404172800000
              "grade" : "B",
              "score": 23
         },
         {
              "date" : {
                   "$date": 1367280000000
              "grade": "A",
              "score": 12
         },
         {
              "date" : {
                   "$date": 1336435200000
              "grade": "A",
              "score": 12
         }
    ],
    "name": "Wendy'S",
    "restaurant_id": "30112340"
}
    "_id": ObjectId("6241b5a559c1a55ad08328c6"),
    "address" : {
         "building": "469",
         "coord":[
              -73.961704,
              40.662942
         ],
         "street": "Flatbush Avenue",
         "zipcode": "11225"
    },
    "borough": "Brooklyn",
    "cuisine": "Hamburgers",
    "grades" : [
         {
              "date" : {
                  "$date": 1419897600000
              },
              "grade": "A",
              "score":8
         },
         {
              "date" : {
```

```
"$date": 1404172800000
              },
              "grade" : "B",
              "score" : 23
         },
         {
              "date" : {
                 "$date": 1367280000000
              },
              "grade" : "A",
              "score": 12
         },
         {
              "date" : {
                 "$date" : 1336435200000
              "grade": "A",
              "score" : 12
         }
    ],
    "name" : "Wendy'S",
    "restaurant_id" : "30112340"
}
```