

# Database Assignment # 04

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**Section:** BS(CS)-4A

## 1. Read Operations

#### Task 1:

```
db.restaurants.find({}).limit(1).pretty();
```

```
db.restaurants.find().limit(1).pretty();
        _id" : ObjectId("60cf3dc6568dc98f7a91292e"),
        "coord" : [
-73.982419999999999,
                              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"
```

#### Task 2:

```
db.restaurants.find({$and:[{"name":"Wendy'S"},
{"cuisine": "Hamburgers"}, {"borough": "Bronx"}]}).pretty();
 db.restaurants.find({$and:[{"name":"Wendy'S"},{"cuisine":"Hamburgers"},{"borough":"Bronx"}]}).pretty();
       "_id" : ObjectId("60cf3dc6568dc98f7a912b92"),
       "coord" : [
                       -73.8421735,
                       40.8794229
               ],
"street" : "Boston Road",
               "zipcode" : "10469"
       },
"borough" : "Bronx",
"cuisine" : "Hamburgers",
"grades" : [
                      "date" : ISODate("2014-11-17T00:00:00Z"),
                      "grade" : "A",
"score" : 9
               },
{
                       "date" : ISODate("2014-06-25T00:00:00Z"),
                      "grade" : "A",
"score" : 3
                       "date" : ISODate("2013-06-14T00:00:00Z"),
                      "grade" : "A",
                       "score" : 7
                       "date" : ISODate("2012-06-06T00:00:00Z"),
                      "grade" : "A",
                       "score" : 6
                       "date" : ISODate("2012-01-27T00:00:00Z"),
```

#### **Task 3:**

### 2. Update Operations

#### Task 1:

```
db.restaurants.updateMany({"restaurant_id":"50008124"},
{$set:{"name":"FAST"}});
> db.restaurants.updateMany({"restaurant_id":"50008124"},{$set:{"name":"FAST"}});
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 0 }
>
```

#### Task 2:

```
db.restaurants.updateMany({"name":"Wendy'S Old Fashioned
Hamburgers"}, {$set:{"cuisine":"Desi"}});
```

```
> db.restaurants.updateMany({"name":"Wendy'S Old Fashioned Hamburgers"},{$set:{"cuisine":"Desi"}});
{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
>
```

#### Task 3:

```
db.restaurants.updateMany({"borough":"Staten
Island", "name": "Mcdonald'S"}, {$set:{"cuisine": "Pizzas"}});
> db.restaurants.updateMany({"borough":"Staten Island", "name": "Mcdonald'S"}, {$set:{"cuisine": "Pizzas"}});
{ "acknowledged": true, "matchedCount": 8, "modifiedCount": 8}
```

## 3. Removing Operations

#### Task 1:

```
db.restaurants.deleteMany({"name":"Wendy'S Old Fashioned
Hamburgers"});
```

```
> db.restaurants.deleteMany({"name":"Wendy'S Old Fashioned Hamburgers"});
{ "acknowledged" : true, "deletedCount" : 3 }
>
```

#### **Task 2:**

#### **Task 3:**

```
db.restaurants.deleteMany({"name":"Burger
King", "borough": "Queens", "cuisine": "Hamburgers"});
```

```
> db.restaurants.deleteMany({"name":"Burger King","borough":"Queens","cuisine":"Hamburgers"});
{ "acknowledged" : true, "deletedCount" : 20 }
>
```

## 4. Creating your own document

```
db.restaurants.insert({
"address" : {
"building" : "1111",
"coord" : [
-70.222222,
30.1223345
"street" : "xyz street",
"zipcode" : "110100"
"borough" : "abcxyz",
"cuisine" : "anything",
"grades" : [
"date" : ISODate("2014-11-18T00:00:00Z"),
"grade" : "A",
"score" : 7
},
"date" : ISODate("2014-05-08T00:00:00Z"),
"grade" : "A",
"score" : 2
"name" : "myRestaurant",
"restaurant_id" : "p19-0007"
});
```

## **Output:**