Create a collection called restaurants

```
---
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
> use resturants
```

insert one restaurant into the restaurants collection

```
> db.resturants.insertOne({name:"Albik",city:"Jeddah",score:10})
{
        "acknowledged" : true,
        "insertedId" : ObjectId("619ba18060f7f61dbee6bdaf")
}
>
```

insert many restaurants into the restaurants collection

```
> db.resturants.insertMany([{name:"altazj",city:"makkah",score:9},{name:"KFC",city:"almadinah",score:8},{name:"herfy",city:"Riyadh",score:7},{name:"chekn",city:"Riyadh",score:10},{name:"pizzaHot",city:"Riyadh",s
core:7}])
{
        "acknowledged" : true,
        "insertedIds" : [
                ObjectId("619b8a0d60f7f61dbee6bdaa"),
                ObjectId("619b8a0d60f7f61dbee6bdab"),
                ObjectId("619b8a0d60f7f61dbee6bdac"),
                ObjectId("619b8a0d60f7f61dbee6bdad"),
                ObjectId("619b8a0d60f7f61dbee6bdae")
        ]
}
```

Display all the documents in the collection restaurants.

```
> db.resturants.find()
{ "_id" : ObjectId("619b84edfa73411a51dae3ec"), "name" : "Albik", "city" : "Jeddah", "score" : 10 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdaa"), "name" : "altazj", "city" : "makkah", "score" : 9 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdab"), "name" : "KFC", "city" : "almadinah", "score" : 8 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdac"), "name" : "herfy", "city" : "Riyadh", "score" : 7 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdad"), "name" : "chekn", "city" : "Riyadh", "score" : 10 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdae"), "name" : "pizzaHot", "city" : "Riyadh", "score" : 7 }
```

Display all the documents in the collection restaurants but exclude the field _id.

```
> db.resturants.find({},{_id:0})
{ "name" : "Albik", "city" : "Jeddah", "score" : 10 }
{ "name" : "altazj", "city" : "makkah", "score" : 9 }
{ "name" : "KFC", "city" : "almadinah", "score" : 8 }
{ "name" : "herfy", "city" : "Riyadh", "score" : 7 }
{ "name" : "chekn", "city" : "Riyadh", "score" : 10 }
{ "name" : "pizzaHot", "city" : "Riyadh", "score" : 7 }
```

Display all the restaurants which is in Jeddah city.

```
> db.resturants.find({city:"Jeddah"})
{ "_id" : ObjectId("619b84edfa73411a51dae3ec"), "name" : "Albik", "city" : "Jeddah", "score" : 10 }
```

Display all the restaurants which is achieved a score greater than or equal to 9.

Command Prompt - mongo

```
> db.resturants.find({score:{$gte:9}})
{ "_id" : ObjectId("619b84edfa73411a51dae3ec"), "name" : "Albik", "city" : "Jeddah", "score" : 10 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdaa"), "name" : "altazj", "city" : "makkah", "score" : 9 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdad"), "name" : "chekn", "city" : "Riyadh", "score" : 10 }
```

Display all the restaurants which is achieved a score greater than or equal to 8 but less than 10.

```
> db.resturants.find({score:{$gte:8,$lt:10}})
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdaa"), "name" : "altazj", "city" : "makkah", "score" : 9 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdab"), "name" : "KFC", "city" : "almadinah", "score" : 8 }
```

Display all the restaurants which is contain 'Al' as first two letters of its name.

```
> db.resturants.find({name:{$regex:/^Al/,$options:'i'}})
{ "_id" : ObjectId("619b84edfa73411a51dae3ec"), "name" : "Albik", "city" : "Jeddah", "score" : 10 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdaa"), "name" : "altazj", "city" : "makkah", "score" : 9 }
```

Display all the restaurants which is contains 'k' somewhere in its name, either k is big or small.

```
> db.resturants.find({name:{$regex:"k",$options:'i'}})
{ "_id" : ObjectId("619b84edfa73411a51dae3ec"), "name" : "Albik", "city" : "Jeddah", "score" : 10 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdab"), "name" : "KFC", "city" : "almadinah", "score" : 8 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdad"), "name" : "chekn", "city" : "Riyadh", "score" : 10 }
```

Display all the restaurants by arranged the name of the restaurants in ascending and descending order.

```
> db.resturants.find().sort({"name":1})
{ "_id" : ObjectId("619b84edfa73411a51dae3ec"), "name" : "Albik", "city" : "Jeddah", "score" : 10 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdab"), "name" : "KFC", "city" : "almadinah", "score" : 8 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdaa"), "name" : "altazj", "city" : "makkah", "score" : 9 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdad"), "name" : "chekn", "city" : "Riyadh", "score" : 10 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdac"), "name" : "herfy", "city" : "Riyadh", "score" : 7 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdae"), "name" : "pizzaHot", "city" : "Riyadh", "score" : 7 }
> db.resturants.find().sort({"name":-1})
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdae"), "name" : "pizzaHot", "city" : "Riyadh", "score" : 7 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdac"), "name" : "herfy", "city" : "Riyadh", "score" : 7 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdad"), "name" : "chekn", "city" : "Riyadh", "score" : 10 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdaa"), "name" : "altazj", "city" : "makkah", "score" : 9 }
{ "_id" : ObjectId("619b8a0d60f7f61dbee6bdab"), "name" : "KFC", "city" : "almadinah", "score" : 8 }
{ "_id" : ObjectId("619b84edfa73411a51dae3ec"), "name" : "Albik", "city" : "Jeddah", "score" : 10 }
```

Update Domino's pizza restaurant which is in Jeddah to be in Al Madinah, and the name to Domino's Pizza, and the score to 10.

```
> db.resturants.updateOne({name:"pizzaHot"},{$set:{city:"AlMadinah",name:"PizzaHot",score:10}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
```

Delete the KFC restaurant

```
> db.resturants.deleteOne({name:"KFC"})
{ "acknowledged" : true, "deletedCount" : 1 }
```