

- Create a collection called restaurants
-

```

.
[Atlas atlas-10pt5q-shard-0 [primary] myFirstDatabase> mongo
ReferenceError: mongo is not defined
[Atlas atlas-10pt5q-shard-0 [primary] myFirstDatabase> show dbs
  blog          295 kB
  bookStore     266 kB
  admin         377 kB
  local        7.26 GB
[Atlas atlas-10pt5q-shard-0 [primary] myFirstDatabase> use restaurants
switched to db restaurants
[Atlas atlas-10pt5q-shard-0 [primary] restaurants> db restaurants
Uncaught:
SyntaxError: Missing semicolon. (1:2)

> 1 | db restaurants
   | ^
  2 |

[Atlas atlas-10pt5q-shard-0 [primary] restaurants> db
restaurants

```

- insert one restaurant into the restaurants collection, for example:

```
{ "name": "Albaik", "city": "Jeddah", "score": 10 }
```

```

Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.insert({ "name": "Albaik", "city": "Jeddah", "score": 10 })
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany
, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("619b85f78e1b82d365fb18f3") }
}

```

- insert many restaurants into the restaurants collection, for example:

```
{ "name": "AlTazaj", "city": "Makkah", "score": 9 },
{ "name": "KFC", "city": "AlMadinah", "score": 8 },
{ "name": "Dominos pizza", "city": "Jeddah", "score": 9.5 },
{ "name": "Baba Khan", "city": "Jeddah", "score": 9 },
{ "name": "Krispy Kreme", "city": "Riyadh", "score": 8.5 }
```

```
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.insertMany([{"name": "AlTazaj", "city": "Makkah", "score": 9}, {"name": "KFC", "city": "AlMadinah", "score": 8}, {"name": "Dominos pizza", "city": "Jeddah", "score": 9.5}, {"name": "Baba Khan", "city": "Jeddah", "score": 9}, {"name": "Krispy Kreme", "city": "Riyadh", "score": 8.5}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("619b871b8e1b82d365fb18f5"),
    '1': ObjectId("619b871b8e1b82d365fb18f6"),
    '2': ObjectId("619b871b8e1b82d365fb18f7"),
    '3': ObjectId("619b871b8e1b82d365fb18f8"),
    '4': ObjectId("619b871b8e1b82d365fb18f9")
  }
}
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

- Display all the documents in the collection restaurants.

```
● ○ ● turki — mongosh mongodb+srv://cluster0.rmy2j.mongodb.net/myFirstDatabase — myFirstDatabase...
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({})
[
  {
    _id: ObjectId("619b85f78e1b82d365fb18f3"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f5"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f6"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f7"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f8"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f9"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
```

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

```
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({}, { _id: 0 })
[
  { name: 'Albaik', city: 'Jeddah', score: 10 },
  { name: 'AlTazaj', city: 'Makkah', score: 9 },
  { name: 'KFC', city: 'AlMadinah', score: 8 },
  { name: 'Dominos pizza', city: 'Jeddah', score: 9.5 },
  { name: 'Baba Khan', city: 'Jeddah', score: 9 },
  { name: 'Krispy Kreme', city: 'Riyadh', score: 8.5 }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

- Display all the restaurants which is in Jeddah city.

```
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({city: "Jeddah"})
[
  {
    _id: ObjectId("619b85f78e1b82d365fb18f3"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f7"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f8"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

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

```
[Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({score: {$gte: 9}})
[
  {
    _id: ObjectId("619b85f78e1b82d365fb18f3"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f5"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f7"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f8"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

- Display all the restaurants which is achieved a score grater than or equal to 8 but less than 9.5.

```
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({$score :{$gte: 8, $lt : 9.5}})
[
  {
    _id: ObjectId("619b871b8e1b82d365fb18f5"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f6"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f8"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f9"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

- Display all the restaurants which is in Jeddah and achieved a score grater than or equal to 9.5.

```
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({city: "Jeddah", score: {$gte: 9.5}})
[
  {
    _id: ObjectId("619b85f78e1b82d365fb18f3"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f7"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

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

```
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({name: /^al/i})
[
  {
    _id: ObjectId("619b85f78e1b82d365fb18f3"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f5"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

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

```
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({name: /^k/i})
[
  {
    _id: ObjectId("619b871b8e1b82d365fb18f6"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f9"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

- Display all the restaurants by arranging the name of the restaurants in ascending order.

```
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({}).sort({name: 1})
[
  {
    _id: ObjectId("619b871b8e1b82d365fb18f5"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b85f78e1b82d365fb18f3"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f8"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f7"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f6"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f9"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>
```

- Update Dominos pizza restaurant which is in Jeddah to be in AlMadinah, and the name to Dominos Pizza, and the score to 10

```

Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.updateOne({name: "Dominos pizza"}, {$set: {name: "Dominos Pizza", city: "AlMadinah", score: "10" }})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}

[Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({})
[
  {
    _id: ObjectId("619b85f78e1b82d365fb18f3"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f5"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f6"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f7"),
    name: 'Dominos Pizza',
    city: 'AlMadinah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f8"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f9"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants>

```

- Delete the KFC restaurant

```

Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.deleteOne({name: "KFC"})
{ acknowledged: true, deletedCount: 1 }
Atlas atlas-10pt5q-shard-0 [primary] restaurants> db.restaurant.find({})
[
  {
    _id: ObjectId("619b85f78e1b82d365fb18f3"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f5"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f7"),
    name: 'Dominos Pizza',
    city: 'AlMadinah',
    score: 10
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f8"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b871b8e1b82d365fb18f9"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-10pt5q-shard-0 [primary] restaurants> █

```