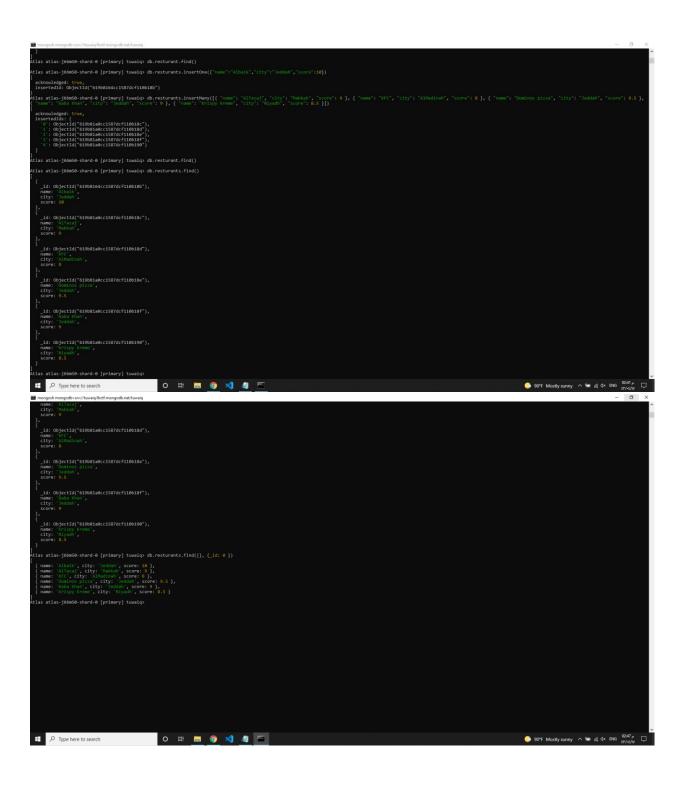Steps:

using cmd

mongosh "mongodb+srv://tuwaiq.fbctf.mongodb.net/tuwaiq" --username YourUserName

then enter Your password

****

https://www.mongodb.com/developer/quickstart/cheat-sheet/

Create a collection called resturants

`db.createCollection("resturants")`

insert one resturant into the resturants collection, for example:

db.resturants.insertOne({ "name": "Albaik", "city": "Jeddah", "score": 10 })

db.resturants.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 }

])

Display all the documents in the collection restaurants.

db.resturants.find()

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

db.resturants.find({}, {_id: 0 })

Display all the restaurants which is in Jeddah city.

db.resturants.find({city:"Jeddah"},{})

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

db.resturants.find({score:{ $gte:9}})

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

db.resturants.find({score:{ $gte:8,$lt:9.5}})

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

db.resturants.find({score:{ $gte:9.5},city:"Jeddah"})

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

db.resturants.find({name: /^al/i})

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

db.resturants.find({name: /k/i})

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

db.resturants.find().sort({ "name": 1 })

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

db.resturants.updateOne(
  { name: "Dominos pizza" },
  {
    $set: { city: "AlMadinah", name: "Dominos Pizza",score:10 }

```
  }
)
```

Delete the KFC restaurant

```
db.resturants.deleteOne( { name: "KFC" } )
```

```
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturant.find()

Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.insertOne({"name":"Albaik","city":"Jeddah","score":10})
{
  acknowledged: true,
  insertedId: ObjectId("619b8164cc1587dcf110b18b")
}
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.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("619b81a0cc1587dcf110b18c"),
    '1': ObjectId("619b81a0cc1587dcf110b18d"),
    '2': ObjectId("619b81a0cc1587dcf110b18e"),
    '3': ObjectId("619b81a0cc1587dcf110b18f"),
    '4': ObjectId("619b81a0cc1587dcf110b190")
  }
}
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturant.find()

Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find()
[
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18d"),
    name: 'KFC ',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan ',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b190"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```

```
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18d"),
    name: 'KFC ',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan ',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b190"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.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-j66m50-shard-0 [primary] tuwaiq>
```

```
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>

Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find({city:"Jeddah"},{})
[
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```

```
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find({score:{ $gte:9}})
[
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```

```
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>

Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find({score:[ $gte:8,$lt:9.5]})
[
  {
    _id: ObjectId("619b81a0cc1587dcf110b18c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b190"),
    name: 'Krispy Kreme',
    city: 'Riyadh ',
    score: 8.5
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```

```
  2 |

Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find({score:[ $gte:9.5],city:"Jeddah"})
[
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18e"),
    name: 'Dominos pizza',
    city: 'Jeddah ',
    score: 9.5
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```

```
Microsoft Windows [Version 10.0.19042.1348]
(c) Microsoft Corporation. All rights reserved.

C:\Users\a>mongosh "mongodb+srv://tuwaiq.fbctf.mongodb.net/tuwaiq" --username admin
Enter password: *****
Current Mongosh Log ID: 619b8a00430a307207dcb590
Connecting to:          mongodb+srv://tuwaiq.fbctf.mongodb.net/tuwaiq
Using MongoDB:          4.4.10
Using Mongosh:          1.1.2

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

Warning: Found ~/.mongorc.js, but not ~/.mongoshrc.js. ~/.mongorc.js will not be loaded.
   You may want to copy or rename ~/.mongorc.js to ~/.mongoshrc.js.
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find({name: /^al/i})
[
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```



```
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find({name: /k/i})
[
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b190"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```

```
}
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find().sort( { "name": 1 } )
[
  {
    _id: ObjectId("619b81a0cc1587dcf110b18c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b190"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```

```
...
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.updateOne(
...   { name: "Dominos pizza" },
.....   {
.....     $set: { city: "AlMadinah", name: "Dominos Pizza",score:10 }
.....   }
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find()
[
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18e"),
    name: 'Dominos Pizza',
    city: 'AlMadinah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b190"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```

```
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.deleteOne( { name: "KFC" } )
{ acknowledged: true, deletedCount: 0 }
Atlas atlas-j66m50-shard-0 [primary] tuwaiq> db.resturants.find()
[
  {
    _id: ObjectId("619b8164cc1587dcf110b18b"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18c"),
    name: 'AlTaraj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18e"),
    name: 'Dominos Pizza',
    city: 'AlMadinah',
    score: 10
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b18f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b81a0cc1587dcf110b190"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-j66m50-shard-0 [primary] tuwaiq>
```