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1) Create a collection called restaurants

```
Atlas atlas-fb34ly-shard-0 [primary] test> db.createCollection("restaurant")
{ ok: 1 }
Atlas atlas-fb34ly-shard-0 [primary] test>
```

2) insert one restaurant into the restaurants collection

```
Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.resturnat.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("619b822dcf5939ddcfb4867c"),
    '1': ObjectId("619b822dcf5939ddcfb4867d"),
    '2': ObjectId("619b822dcf5939ddcfb4867e"),
    '3': ObjectId("619b822dcf5939ddcfb4867f"),
    '4': ObjectId("619b822dcf5939ddcfb48680")
  }
}

Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.restaurant.insert({"name": "Albaik", "city": "Jeddah", "score": 10 })
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("619b81ebcf5939ddcfb4867b") }
}
```

3) insert many restaurants into the restaurants collection

```
Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.resturnat.find()
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb48680"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
```

4) Display all the documents in the collection restaurants.

```
Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.resturnat.find({}, {_id:0})
[
  { 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 }
]
```

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

```
Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.resturnat.find({"city":'Jeddah'})
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  }
]
```

6) Display all the restaurants which is in Jeddah city.

```
Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.resturnat.find({score:{$gte:9}})
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  }
]
```

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

```
Atlas atlas-fb34ly-shard-0 [primary] resturant> db.resturnat.find({score:{$gte:8,$lt:9.5}})
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb48680"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
```

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

```
Atlas atlas-fb34ly-shard-0 [primary] resturant> db.resturnat.find({score:{$gte:9.5},city:"Jeddah"})
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  }
]
```

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

```
Atlas atlas-fb34ly-shard-0 [primary] resturant> db.resturnat.find({name:/[Al]+/})
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  }
]
```

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

```
Atlas atlas-fb34ly-shard-0 [primary] resturant> db.resturnat.find({name:/k/i})
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb48680"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
```

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

```
Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.resturnat.find().sort({name:1})
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867c"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb48680"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
```

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

```
Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.resturnat.find().sort({name:1})
[
  {
    _id: ObjectId("619b822dcf5939ddcfb4867c"),
    name: 'ALTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867f"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867e"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb4867d"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b822dcf5939ddcfb48680"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
```

13) 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-fb34ly-shard-0 [primary] restaurant> db.resturnat.findOneAndDelete({name:"KFC"})
{
  _id: ObjectId("619b822dcf5939ddcfb4867d"),
  name: 'KFC',
  city: 'AlMadinah',
  score: 8
}
```

14) Delete the KFC restaurant

```
Atlas atlas-fb34ly-shard-0 [primary] restaurant> db.resturnat.updateOne({name:"Dominos pizza",city:"Jeddah"},{$set:{name:"Dominos pizza",city:"AlMadinah",score:10}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```