

- insert one restaurant into the restaurants collection:

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.insertOne({ "name": "Albaik", "city": "Jeddah", "score": 10 })
{
  acknowledged: true,
  insertedId: ObjectId("619b918cfbe390e3f44357a7")
}
Atlas atlas-kzrqms-shard-0 [primary] HW>
```

- insert many restaurants into the restaurants collection:

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.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("619b9288fbe390e3f44357ad"),
    '1': ObjectId("619b9288fbe390e3f44357ae"),
    '2': ObjectId("619b9288fbe390e3f44357af"),
    '3': ObjectId("619b9288fbe390e3f44357b0"),
    '4': ObjectId("619b9288fbe390e3f44357b1")
  }
}
```

- Display all the documents in the collection restaurants:

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.find({})
[
  {
    _id: ObjectId("619b918cfbe390e3f44357a7"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357ad"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357ae"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357af"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b0"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b1"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-kzrqms-shard-0 [primary] HW>
```

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

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.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-kzrqms-shard-0 [primary] HW>
```

- Display all the restaurants which is in Jeddah city:

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.find({city:"Jeddah"})
[
  {
    _id: ObjectId("619b918cfbe390e3f44357a7"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357af"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b0"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  }
]
```

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

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.find({score:{$gte:9}})
[
  {
    _id: ObjectId("619b918cfbe390e3f44357a7"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357ad"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357af"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b0"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  }
]
Atlas atlas-kzrqms-shard-0 [primary] HW>
```

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

```
Atlas atlas-kzrqms-shard-0 [primary] myFirstDatabase> use HW
switched to db HW
Atlas atlas-kzrqms-shard-0 [primary] HW> db.resturants.find({score:{$gte:8 , $lt:9.5}})
[
  {
    _id: ObjectId("619b9288fbe390e3f44357ad"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357ae"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b0"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b1"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-kzrqms-shard-0 [primary] HW>
```

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

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.resturants.find({"city":"Jeddah","score":{$gte:9.5}})
[
  {
    _id: ObjectId("619b918cfbe390e3f44357a7"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357af"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  }
]
Atlas atlas-kzrqms-shard-0 [primary] HW>
```

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

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.find({"name":/^Al/})
[
  {
    _id: ObjectId("619b918cfbe390e3f44357a7"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357ad"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  }
]
Atlas atlas-kzrqms-shard-0 [primary] HW>
```

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

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.find({ "name": { $regex: "k", $options:'i' } })
[
  {
    _id: ObjectId("619b918cfbe390e3f44357a7"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357ae"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b0"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b1"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-kzrqms-shard-0 [primary] HW>
```

- Display all the restaurants by arranged the name of the restaurants in ascending order:

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.restaurants.find({}).sort("name")
[
  {
    _id: ObjectId("619b9288fbe390e3f44357ad"),
    name: 'AlTazaj',
    city: 'Makkah',
    score: 9
  },
  {
    _id: ObjectId("619b918cfbe390e3f44357a7"),
    name: 'Albaik',
    city: 'Jeddah',
    score: 10
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b0"),
    name: 'Baba Khan',
    city: 'Jeddah',
    score: 9
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357af"),
    name: 'Dominos pizza',
    city: 'Jeddah',
    score: 9.5
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357ae"),
    name: 'KFC',
    city: 'AlMadinah',
    score: 8
  },
  {
    _id: ObjectId("619b9288fbe390e3f44357b1"),
    name: 'Krispy Kreme',
    city: 'Riyadh',
    score: 8.5
  }
]
Atlas atlas-kzrqms-shard-0 [primary] HW>
```

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

- Delete the KFC restaurant:

```
Atlas atlas-kzrqms-shard-0 [primary] HW> db.resturants.deleteOne({name:"KFC"})
{ acknowledged: true, deletedCount: 1 }
Atlas atlas-kzrqms-shard-0 [primary] HW>
```