Tuwaiq 1000 bootcamp

JavaScript – Riyadh

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- Create a collection called resturants
- Insert one resturant into the resturants collection

```
>_MONGOSH

>

>

> use W08D02HW
< 'switched to db W08D02HW'
> db.resturants.insertOne({name: "Mama-Norah", city: "Riyadh", score: 10})
< { acknowledged: true,
    insertedId: ObjectId("619b954393e20b5ca9d4e181") }
Atlas atlas-6dty28-shard-0 [primary] W08D02HW>
```

- Insert many resturants into the resturants collection

```
> db.resturants.insertMany([{name: "Herfy", city: "Riyadh", score: 7},
                           {name: "McDonalds", city: "Riyadh", score: 10},
                           {name: "Albaik", city: "Riyadh", score: 9},
                           {name: "Shawarmer", city: "Riyadh", score: 6}
                           ])
< { acknowledged: true,
    insertedIds:
    { '0': ObjectId("619b96e493e20b5ca9d4e182"),
      '1': ObjectId("619b96e493e20b5ca9d4e183"),
      '2': ObjectId("619b96e493e20b5ca9d4e184"),
      '3': ObjectId("619b96e493e20b5ca9d4e185") } }
```

- Display all the documents in the collection resturants.

```
> db.resturants.find()
< { _id: ObjectId("619b954393e20b5ca9d4e181"),
    name: 'Mama-Norah',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e182"),
    name: 'Herfy',
    city: 'Riyadh',
    score: 7 }
  { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonalds',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    score: 9 }
  { _id: ObjectId("619b96e493e20b5ca9d4e185"),
    name: 'Shawarmer',
    city: 'Riyadh',
```

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

```
> db.resturants.find({},{_id: 0})
< { name: 'Mama-Norah', city: 'Riyadh', score: 10 }
  { name: 'Herfy', city: 'Riyadh', score: 7 }
  { name: 'McDonalds', city: 'Riyadh', score: 10 }
  { name: 'Albaik', city: 'Riyadh', score: 9 }
  { name: 'Shawarmer', city: 'Riyadh', score: 6 }
```

- Display all the restaurants which is in "Riyadh" city.

```
> db.resturants.find({city: "Riyadh"})
< { _id: ObjectId("619b954393e20b5ca9d4e181"),
    name: 'Mama-Norah',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e182"),
    name: 'Herfy',
    city: 'Riyadh',
    score: 7 }
  { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonalds',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    score: 9 }
  { _id: ObjectId("619b96e493e20b5ca9d4e185"),
    name: 'Shawarmer',
    city: 'Riyadh',
```

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

```
> db.resturants.find({score: {$gte: 9}})
< { _id: ObjectId("619b954393e20b5ca9d4e181"),
    name: 'Mama-Norah',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonalds',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    score: 9 }
```

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

```
> db.resturants.find({$and: [{score: {$gte: 8}}, {score: {$lt: 9.5}}]})
< { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    score: 9 }
```

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

```
> db.resturants.find({city: "Riyadh",score: {$gte: 9}})
< { _id: ObjectId("619b954393e20b5ca9d4e181"),
    name: 'Mama-Norah',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonalds',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    score: 9 }
> db.resturants.find({city: "Riyadh",score: {$gte: 9.5}})
< { _id: ObjectId("619b954393e20b5ca9d4e181"),
    name: 'Mama-Norah',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonalds',
```

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

```
> db.resturants.find( {name: {$regex: /^Al/}} )
< { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    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/i}} )
< { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    score: 9 }
```

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

```
> db.resturants.find().sort( {name: 1} )
< { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    score: 9 }
  { _id: ObjectId("619b96e493e20b5ca9d4e182"),
    name: 'Herfy',
    city: 'Riyadh',
    score: 7 }
  { _id: ObjectId("619b954393e20b5ca9d4e181"),
    name: 'Mama-Norah',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonalds',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e185"),
    name: 'Shawarmer',
    city: 'Riyadh',
```

- Update "McDonalds" resturant which is in "Riyadh" to be in AlMadinah, and the name to "McDonald's", and the score to "9"

```
> db.resturants.find({name: "McDonalds"})
< { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonalds',
    city: 'Riyadh',
    score: 10 }
> db.resturants.update({name: "McDonalds"},
      {$set: {name: "McDonald's", city: "AlMadinah", score: 9}})
< { acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0 }
> db.resturants.find({name: "McDonald's"})
< { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonald\'s',
    city: 'AlMadinah',
    score: 9 }
```

- Delete the KFC restaurant

```
> db.resturants.deleteOne({name: "Shawarmer"})
< { acknowledged: true, deletedCount: 1 }
> db.resturants.find()
< { _id: ObjectId("619b954393e20b5ca9d4e181"),
    name: 'Mama-Norah',
    city: 'Riyadh',
    score: 10 }
  { _id: ObjectId("619b96e493e20b5ca9d4e182"),
    name: 'Herfy',
    city: 'Riyadh',
    score: 7 }
  { _id: ObjectId("619b96e493e20b5ca9d4e183"),
    name: 'McDonald\'s',
    city: 'AlMadinah',
    score: 9 }
  { _id: ObjectId("619b96e493e20b5ca9d4e184"),
    name: 'Albaik',
    city: 'Riyadh',
    score: 9 }
```