```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Microsoft Windows [Version 10.0.22631.4890]
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C:\Users\aryan>mongod --version
db version v8.0.8
Build Info: {
    "version": "8.0.8",
    "gitVersion": "7f52660c14217ed2c8d3240f823a2291a4fe6abd",
    "modules": [],
    "allocator": "tcmalloc-gperf",
    "environment": {
        "distmod": "windows",
        "distarch": "x86_64",
        "target_arch": "x86_64"
    }
}

C:\Users\aryan>mongosh
Current Mongosh Log ID: 6811d835b20c393da1b5f898
Connecting to:          mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.0
Using MongoDB:          8.0.8
Using Mongosh:          2.5.0

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


To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

------
   The server generated these startup warnings when booting
   2025-04-30T12:58:03.319+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
------

test> use RCPIT
switched to db RCPIT
RCPIT> db.createCollection('Students')
{ ok: 1 }
RCPIT> show dbs
RCPIT    8.00 KiB
admin   40.00 KiB
config  60.00 KiB
local   72.00 KiB
RCPIT>
```

Create :

```
RCPIT> db.students.insertOne({'name':'Sayali',prn:231107019,rollno:19})
{
  acknowledged: true,
  insertedId: ObjectId('6811dd43b20c393da1b5f899')
}
RCPIT> db.students.insertMany([{'name':'Tanisha',prn:231107027,rollno:26},{'name':'Ashna',prn:231107050,rollno:48},{'name':'Vedant',prn:231107008,rollno:8}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('6811de24b20c393da1b5f89a'),
    '1': ObjectId('6811de24b20c393da1b5f89b'),
    '2': ObjectId('6811de24b20c393da1b5f89c')
  }
}
```

```
RCPIT>
[
  {
    _id: ObjectId('6811dd43b20c393da1b5f899'),
    name: 'Sayali',
    prn: 231107019,
    rollno: 19
  },
  {
    _id: ObjectId('6811de24b20c393da1b5f89a'),
    name: 'Tanisha',
    prn: 231107027,
    rollno: 26
  },
  {
    _id: ObjectId('6811de24b20c393da1b5f89b'),
    name: 'Ashna',
    prn: 231107050,
    rollno: 48
  },
  {
    _id: ObjectId('6811de24b20c393da1b5f89c'),
    name: 'Vedant',
    prn: 231107008,
    rollno: 8
  }
]
```

Read :

```
RCPIT> show collections
RCPIT>
students
Students
RCPIT> db.products.find({price:120}).count()
0
RCPIT> db.products.find({'price':{$eq : 699}}).count()
0
RCPIT> db.product.find({'price':{$eq : 699}}).count()
13
RCPIT> db.product.find({'price':{$ne : 699}}).count()
10342
RCPIT> db.product.find({'price':{$gt : 699}}).count()
3053
RCPIT> db.product.find({'price':{$gte:699}}).count()
3066
RCPIT> db.product.find({'price':{$lt:699}}).count()
7289
RCPIT> db.product.find({'price':{$lte:699}}).count()
7302
```

```
RCPIT> db.product.find({'price':{$gt:699}}).limit(5).skip(2)
[
  {
    _id: ObjectId('64c2363be32f4a51b19b9272'),
    name: 'Modern Sofa Set',
    company: '64c23350e32f4a51b19b923f',
    price: 899,
    colors: [ '#000000', '#999999', '#cc6600' ],
    image: '/images/product-sofa-set.png',
    category: '64c2342de32f4a51b19b9258',
    isFeatured: true
  },
  {
    _id: ObjectId('64c236a2e32f4a51b19b9281'),
    name: 'Diamond Ring',
    company: '64c23350e32f4a51b19b923a',
    price: 1999,
    colors: [ '#000000', '#cc6600', '#663300' ],
    image: '/images/product-diamond-ring.png',
    category: '64c2342de32f4a51b19b9259',
    isFeatured: false
  },
  {
    _id: ObjectId('64c236a2e32f4a51b19b9282'),
    name: 'Outdoor Patio Set',
    company: '64c23350e32f4a51b19b923b',
    price: 1199,
    colors: [ '#333333', '#ff9900', '#660000' ],
    image: '/images/product-outdoor-patio.png',
    category: '64c2342de32f4a51b19b925a',
    isFeatured: true
  },
```

```
  {
    _id: ObjectId('64c236a2e32f4a51b19b9287'),
    name: 'Modern Sofa Set',
    company: '64c23350e32f4a51b19b923f',
    price: 899,
    colors: [ '#000000', '#999999', '#cc6600' ],
    image: '/images/product-sofa-set.png',
    category: '64c2342de32f4a51b19b9258',
    isFeatured: true
  },
  {
    _id: ObjectId('64c23707e32f4a51b19b9296'),
    name: 'Diamond Ring',
    company: '64c23350e32f4a51b19b923a',
    price: 1999,
    colors: [ '#000000', '#cc6600', '#663300' ],
```

Update :

```
RCPIT> db.product.find({_id : ObjectId("64c2363be32f4a51b19b9271")})
[
  {
    _id: ObjectId('64c2363be32f4a51b19b9271'),
    name: 'Pet Grooming Kit',
    company: '64c23350e32f4a51b19b923e',
    price: 39,
    colors: [ '#ffffff', '#ffcc00', '#99cc00' ],
    image: '/images/product-pet-grooming.png',
    category: '64c2342de32f4a51b19b9257',
    isFeatured: false
  }
]
RCPIT> db. product.updateOne({_id : ObjectId("64c2363be32f4a51b19b9271")},{$set: {'price': 45} })
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
RCPIT> db.product.find({_id : ObjectId("64c2363be32f4a51b19b9271")})
[
  {
    _id: ObjectId('64c2363be32f4a51b19b9271'),
    name: 'Pet Grooming Kit',
    company: '64c23350e32f4a51b19b923e',
    price: 45,
    colors: [ '#ffffff', '#ffcc00', '#99cc00' ],
    image: '/images/product-pet-grooming.png',
    category: '64c2342de32f4a51b19b9257',
    isFeatured: false
  }
]
```

```
RCPIT> db.product.find({price : 120}).count()
5
RCPIT> db.product.updateMany({price : 120}, {$set: {'isFeatured': true }})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}
RCPIT> db.products.find({price : 123}).count()
0
RCPIT> db.product.find({price : 123}).count()
7
RCPIT> db.product.updateMany({price : 123}, {$rename: {'isFeatured': 'isFeature' }})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 7,
  modifiedCount: 7,
RCPIT>
}
RCPIT> db.product.updateOne({price : 123}, {$unset: {'isFeature': 1 }})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

Delete :

```
RCPIT> db.product.deleteOne({_id: ObjectId('64c23e543e180eb8a2682ff4')})
{ acknowledged: true, deletedCount: 1 }
RCPIT> db.product.find({price : 123}).count()
6
RCPIT> db.product.find({price : 55}).count()
6
RCPIT> db.product.deleteMany({price : 55})
{ acknowledged: true, deletedCount: 6 }
RCPIT>
```