C:\Users\computer>mongosh

Current Mongosh Log ID: 667434e29fb3fd7c5846b798

Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.5

Using MongoDB: 7.0.9

Using Mongosh: 2.2.5

mongosh 2.2.9 is available for download: https://www.mongodb.com/try/download/shell

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

  The server generated these startup warnings when booting

  2024-06-19T17:50:12.651+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

------

test> use Book

switched to db Book

Book> db.createCollection("BookDetails")

{ ok: 1 }

****************A*******************

Book> db.BookDetails.insertOne({ No:1, Title:"Data Structure", Author:"Lipschute", Subject:"DS", Publisher:"McGraw", Quantity:4, Price:217.00 })

{

  acknowledged: true,

  insertedId: ObjectId('667437129fb3fd7c5846b79e')

}

Book> db.BookDetails.insertOne({ No:2, Title:"DOS Guide", Author:"NORTRON", Subject:"OS", Publisher:"PHI", Quantity:3, Price:175.00 })

{

```
  acknowledged: true,

  insertedId: ObjectId('667437209fb3fd7c5846b79f')

}

Book> db.BookDetails.insertOne({ No:3, Title:"Turbo C++", Author:"Robort Lafore", Subject:"Prog",
Publisher:"Galgotia", Quantity:5, Price:270.00 })

{

  acknowledged: true,

  insertedId: ObjectId('667437349fb3fd7c5846b7a0')

}

Book> db.BookDetails.insertOne({ No:4, Title:"Dbase Dummies", Author:"Palmer", Subject:"DBMS",
Publisher:"PustakM", Quantity:7, Price:130.00 })

{

  acknowledged: true,

  insertedId: ObjectId('667437409fb3fd7c5846b7a1')

}

Book> db.BookDetails.insertOne({ No:5, Title:"Mastering Windows", Author:"Cowart", Subject:"OS",
Publisher:"BPB", Quantity:1, Price:225.00 })

{

  acknowledged: true,

  insertedId: ObjectId('667437539fb3fd7c5846b7a2')

}


********************B*******************

Book> db.BookDetails.find().pretty()

[

 {

   _id: ObjectId('667437129fb3fd7c5846b79e'),

   No: 1,

   Title: 'Data Structure',

   Author: 'Lipschute',

   Subject: 'DS',

   Publisher: 'McGraw',
```

```
    Quantity: 4,

    Price: 217

  },

  {

    _id: ObjectId('667437209fb3fd7c5846b79f'),

    No: 2,

    Title: 'DOS Guide',

    Author: 'NORTRON',

    Subject: 'OS',

    Publisher: 'PHI',

    Quantity: 3,

    Price: 175

  },

  {

    _id: ObjectId('667437349fb3fd7c5846b7a0'),

    No: 3,

    Title: 'Turbo C++',

    Author: 'Robort Lafore',

    Subject: 'Prog',

    Publisher: 'Galgotia',

    Quantity: 5,

    Price: 270

  },

  {

    _id: ObjectId('667437409fb3fd7c5846b7a1'),

    No: 4,

    Title: 'Dbase Dummies',

    Author: 'Palmer',

    Subject: 'DBMS',

    Publisher: 'PustakM',

    Quantity: 7,
```

```
   Price: 130

 },

 {

   _id: ObjectId('667437539fb3fd7c5846b7a2'),

   No: 5,

   Title: 'Mastering Windows',

   Author: 'Cowart',

   Subject: 'OS',

   Publisher: 'BPB',

   Quantity: 1,

   Price: 225

 }

]


***************C**************

Book> db.BookDetails.updateOne( {No:2} , {$set:{ Author:"David" } })

{

 acknowledged: true,

 insertedId: null,

 matchedCount: 1,

 modifiedCount: 1,

 upsertedCount: 0

}

Book> db.BookDetails.find( { No:2  } )

[

 {

   _id: ObjectId('667437209fb3fd7c5846b79f'),

   No: 2,

   Title: 'DOS Guide',

   Author: 'David',

   Subject: 'OS',
```

Publisher: 'PHI',

        Quantity: 3,

        Price: 175

    }

]

*********************D*******************

> db.BookDetails.aggregate({ $match:{} },{$group:{_id:"Quantity",sum:{$sum:"$Quantity"}}})

{ "_id" : "Quantity", "sum" : 20 }

*************************E*******************

Book> db.BookDetails.deleteOne({ No:4 })

{ acknowledged: true, deletedCount: 1 }

Book> db.BookDetails.find()

[

  {

    _id: ObjectId('667437129fb3fd7c5846b79e'),

    No: 1,

    Title: 'Data Structure',

    Author: 'Lipschute',

    Subject: 'DS',

    Publisher: 'McGraw',

    Quantity: 4,

    Price: 217

  },

  {

    _id: ObjectId('667437209fb3fd7c5846b79f'),

    No: 2,

    Title: 'DOS Guide',

    Author: 'David',

```
    Subject: 'OS',

    Publisher: 'PHI',

    Quantity: 3,

    Price: 175

  },

  {

    _id: ObjectId('667437349fb3fd7c5846b7a0'),

    No: 3,

    Title: 'Turbo C++',

    Author: 'Robort Lafore',

    Subject: 'Prog',

    Publisher: 'Galgotia',

    Quantity: 5,

    Price: 270

  },

  {

    _id: ObjectId('667437539fb3fd7c5846b7a2'),

    No: 5,

    Title: 'Mastering Windows',

    Author: 'Cowart',

    Subject: 'OS',

    Publisher: 'BPB',

    Quantity: 1,

    Price: 225

  }

]
```

****************************F*********************

```
> db.createUser({user:'Ram',pwd:"ram123",roles:[{ role:"read",db:'Book' }]})

Successfully added user: {

    "user" : "Ram",
```

```
      "roles" : [
            {
                  "role" : "read",
                  "db" : "Book"
            }
      ]
}
```

****************To display specific attributes only**************

*********Display Id and Title*********

db.BookDetails.find({},{ Title:1 })

```
[
  {
    _id: ObjectId('667437129fb3fd7c5846b79e'),
    Title: 'Data Structure'
  },
  { _id: ObjectId('667437209fb3fd7c5846b79f'), Title: 'DOS Guide' },
  { _id: ObjectId('667437349fb3fd7c5846b7a0'), Title: 'Turbo C++' },
  {
    _id: ObjectId('667437539fb3fd7c5846b7a2'),
    Title: 'Mastering Windows'
  }
]
```

*********Display Title Only*********

Book> db.BookDetails.find({},{ Title:1,_id:0 })

```
[
  { Title: 'Data Structure' },
  { Title: 'DOS Guide' },
  { Title: 'Turbo C++' },
  { Title: 'Mastering Windows' }
]
```