

### **Create a collection named Book**

```
db.createCollection("Book")
```

**(book\_isbn,title,publisher\_name,author(Name, Address, Phone No[landline, mobile]), publisher\_city, price,copies)**

```
db.Book.insertOne({  
  book_isbn: "ISBN001",  
  title: "DBMS",  
  publisher_name: "Tata MacGraw Hill",  
  author: {  
    name: "Author1",  
    address: "Address1",  
    phone: { landline: "111-222-3333", mobile: "444-555-6666" }  
  },  
  publisher_city: "Mumbai",  
  price: 25.99,  
  copies: 50  
})
```

**a. Count the number of documents in the collection.**

```
db.Book.countDocuments()
```

**b.Arrange the documents in descending order of book\_isbn.**

```
db.Book.find().sort({ book_isbn: -1 })
```

**c.Select Book Names whose title is "DBMS" .**

```
db.Book.find({ title: "DBMS" }, { title: 1, _id: 0 })
```

**d.Update Book Copies as “10” whose Book Publisher is “Tata MacGraw Hill”.**

```
db.Book.updateMany(  
  { publisher_name: "Tata MacGraw Hill" },  
  { $set: { copies: 10 } }  
)
```

**Display name of publishers as per no of books published by them in ascending order.**

```
db.Book.aggregate([  
  {  
    $group: {  
      _id: "$publisher_name",  
      count: { $sum: 1 }  
    }  
  },  
  {  
    $sort: { count: 1 }  
  }  
)
```