1. Adding documents

db.books.insertOne({title:"The Color of Magic", author: "Terry Pratchett", pages: 300, rating: 7, genres:["fantasy", "magic"]})

db.books.insertMany([{title: "The Light Fantastic", author: "Terry Pratchett", pages: 250, rating: 6, genres: ["fantasy"]}, {title: "Dune", author: "Frank Herbert", pages: 500, rating: 10, genres: ["sci-fi", "dystopian"]}])

1. Finding documents

db.books.find()

db.books.find({author:"Terry Pratchett"})

db.books.find({author:"Terry Pratchett", rating: 7})

db.books.find({author:"Terry Pratchett"},{title:1, author:1})

db.books.find({},{title:1, author:1})

db.books.findOne({\_id:ObjectId("644c68c95a95e7a0cb62248f")})

1. Sorting, Limiting data

db.books.find().count()

db.books.find({author:"Brandon Sanderson"}).count()

db.books.find().limit(2)

db.books.find().sort({title: 1})

db.books.find().sort({title: -1})

10. Operators & Complex Queries

db.books.find({rating:{$gt:8}})

db.books.find({rating:{$lte:8}})

db.books.find({rating:{$gt:7}, author: "Patrick Rothfuss"})

db.books.find({$or:[{pages: {$lt:300}}, {pages:{$gt:400}}]})

1. $in and $nin

db.books.find({rating:{$in:[7,8,9]}})

db.books.find({rating:{$nin:[7,8,9]}})

1. Querying Arrays(Nested Objects)

db.books.find({genres:"fantasy"})

db.books.find({genres:["fantasy"]})

db.books.find({genres:{$all:['fantasy',"sci-fi"]}})

db.books.find({"reviews.name":"Luigi"})

1. Deleting documents

db.books.deleteOne({\_id: ObjectId("644c752b3315e00a90ea0336")})

db.books.deleteMany({author:"Terry Pratchett"})

1. Updating documents

db.books.updateOne({\_id: ObjectId("63c9e4d134eb851d23f451c2")}, {$set:{rating:8, pages:360}})

db.books.updateMany({author:"Terry Pratchett"}, {$set:{author:"Terry Pratchet"}})

db.books.updateOne({\_id: ObjectId("63c9e4d134eb851d23f451c3")}, {$inc:{pages:2}})

db.books.updateOne({\_id: ObjectId("63c9e4d134eb851d23f451c3")}, {$inc:{pages:-2}})

db.books.updateOne({\_id: ObjectId("63c9e4d134eb851d23f451c3")}, {$pull:{genres:"fantasy"}})

db.books.updateOne({\_id: ObjectId("63c9e4d134eb851d23f451c3")}, {$push:{genres:"fantasy"}})

db.books.updateOne({\_id: ObjectId("63c9e4d134eb851d23f451c3")}, {$push:{genres:{$each:["mystery","thriller"]}}})