Create Operation :

use library

db.createCollection("books")

db.books.insert({

title: "The Great Gatsby",

author: "F. Scott Fitzgerald",

published\_year: 1925

})

Read Operation:

db.books.find().pretty()

db.books.find({ author: "J.K. Rowling" }).pretty()

db.books.find().sort({ published\_year: 1 }).limit(1)

Update Operation :

db.books.updateOne(

{ title: "The Catcher in the Rye" },

{ $set: { published\_year: 2024 } }

)

db.books.updateMany(

{},

{ $set: { genre: "Mystery" } }

)

Delete Operation :

db.books.deleteOne({ title: "1984" })

db.books.deleteMany({ published\_year: { $lt: 2000 } })

Advanced Query :

db.books.find().sort({ published\_year: -1 }).limit(3).pretty()

db.books.find({

title: { $regex: /(MongoDB|NoSQL)/i }

}).pretty()