> use watchStore

switched to db watchStore

> db.createCollection("products")

{ "ok" : 1 }

> db.createCollection("users")

{ "ok" : 1 }

> db.createCollection("orders")

{ "ok" : 1 }

> db.products.insertMany([

{ name: "Casio G-Shock", brand: "Casio", price: 150, stock: 30 },

{ name: "Apple Watch Series 9", brand: "Apple", price: 399, stock: 15 },

{ name: "Fossil Hybrid", brand: "Fossil", price: 250, stock: 40 },

{ name: "Noise ColorFit", brand: "Noise", price: 90, stock: 60 },

{ name: "Fire-Boltt Phoenix", brand: "Fire-Boltt", price: 70, stock: 50 }

])

{

acknowledged: true,

insertedIds: {

"0": ObjectId("66a14bde1e2e3d5a1a6b9601"),

"1": ObjectId("66a14bde1e2e3d5a1a6b9602"),

"2": ObjectId("66a14bde1e2e3d5a1a6b9603"),

"3": ObjectId("66a14bde1e2e3d5a1a6b9604"),

"4": ObjectId("66a14bde1e2e3d5a1a6b9605")

}

}

> db.users.insertMany([

{ name: "Alice", email: "alice@example.com", city: "Chennai" },

{ name: "Bob", email: "bob@example.com", city: "Delhi" },

{ name: "Carol", email: "carol@example.com", city: "Mumbai" },

{ name: "David", email: "david@example.com", city: "Chennai" },

{ name: "Eve", email: "eve@example.com", city: "Bangalore" }

])

{

acknowledged: true,

insertedIds: {

"0": ObjectId("66a14bde1e2e3d5a1a6b9606"),

"1": ObjectId("66a14bde1e2e3d5a1a6b9607"),

"2": ObjectId("66a14bde1e2e3d5a1a6b9608"),

"3": ObjectId("66a14bde1e2e3d5a1a6b9609"),

"4": ObjectId("66a14bde1e2e3d5a1a6b960a")

}

}

> db.orders.insertMany([

{ userEmail: "alice@example.com", product: "Casio G-Shock", quantity: 1, total: 150 },

{ userEmail: "bob@example.com", product: "Apple Watch Series 9", quantity: 1, total: 399 },

{ userEmail: "carol@example.com", product: "Fossil Hybrid", quantity: 2, total: 500 },

{ userEmail: "david@example.com", product: "Fire-Boltt Phoenix", quantity: 3, total: 210 },

{ userEmail: "eve@example.com", product: "Noise ColorFit", quantity: 1, total: 90 }

])

{

acknowledged: true,

insertedIds: {

"0": ObjectId("66a14bde1e2e3d5a1a6b960b"),

"1": ObjectId("66a14bde1e2e3d5a1a6b960c"),

"2": ObjectId("66a14bde1e2e3d5a1a6b960d"),

"3": ObjectId("66a14bde1e2e3d5a1a6b960e"),

"4": ObjectId("66a14bde1e2e3d5a1a6b960f")

}

}

> db.products.find({ price: { $gt: 100 } })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9601"), "name" : "Casio G-Shock", "brand" : "Casio", "price" : 150, "stock" : 30 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9602"), "name" : "Apple Watch Series 9", "brand" : "Apple", "price" : 399, "stock" : 15 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9603"), "name" : "Fossil Hybrid", "brand" : "Fossil", "price" : 250, "stock" : 40 }

> db.products.find({ price: { $gte: 150, $lte: 400 } })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9601"), "name" : "Casio G-Shock", "brand" : "Casio", "price" : 150, "stock" : 30 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9602"), "name" : "Apple Watch Series 9", "brand" : "Apple", "price" : 399, "stock" : 15 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9603"), "name" : "Fossil Hybrid", "brand" : "Fossil", "price" : 250, "stock" : 40 }

> db.products.find({ brand: { $ne: "Apple" } })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9601"), "name" : "Casio G-Shock", "brand" : "Casio", "price" : 150, "stock" : 30 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9603"), "name" : "Fossil Hybrid", "brand" : "Fossil", "price" : 250, "stock" : 40 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9604"), "name" : "Noise ColorFit", "brand" : "Noise", "price" : 90, "stock" : 60 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9605"), "name" : "Fire-Boltt Phoenix", "brand" : "Fire-Boltt", "price" : 70, "stock" : 50 }

> db.products.find({ brand: { $in: ["Casio", "Fossil"] } })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9601"), "brand" : "Casio", "name": "Casio G-Shock", "price": 150, "stock": 30 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9603"), "brand" : "Fossil", "name": "Fossil Hybrid", "price": 250, "stock": 40 }

> db.products.find({ $and: [ { price: { $lt: 400 } }, { stock: { $gt: 20 } } ] })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9601"), "name" : "Casio G-Shock", "price": 150, "stock": 30 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9603"), "name" : "Fossil Hybrid", "price": 250, "stock": 40 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9604"), "name" : "Noise ColorFit", "price": 90, "stock": 60 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9605"), "name" : "Fire-Boltt Phoenix", "price": 70, "stock": 50 }

> db.products.find({ $or: [ { brand: "Apple" }, { stock: { $lt: 50 } } ] })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9602"), "brand" : "Apple", "stock": 15 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9603"), "brand" : "Fossil", "stock": 40 }

> db.products.find({ name: { $regex: "^C", $options: "i" } })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9601"), "name" : "Casio G-Shock", ... }

> db.users.find({ city: { $regex: "ai$" } })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9606"), "name": "Alice", "city": "Chennai" }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9607"), "name": "Bob", "city": "Delhi" }

> db.products.find({}, { name: 1, price: 1, \_id: 0 })

{ "name" : "Casio G-Shock", "price" : 150 }

{ "name" : "Apple Watch Series 9", "price" : 399 }

...

> db.products.find().sort({ price: -1 }).limit(2)

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9602"), "price": 399 }

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9603"), "price": 250 }

> db.products.countDocuments()

5

> db.products.find({ stock: { $exists: true } })

{ "\_id" : ObjectId("66a14bde1e2e3d5a1a6b9601"), ... }

...

> db.products.updateOne({ name: "Noise ColorFit" }, { $set: { stock: 80 } })

{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }

> db.products.deleteOne({ name: "Fire-Boltt Phoenix" })

{ "acknowledged" : true, "deletedCount" : 1 }

> db.products.drop()

true

> db.users.drop()

true

> db.orders.drop()

true

> db.dropDatabase()

{ "ok" : 1 }