// Inserting documents (use insertOne or insertMany instead of deprecated insert())

db.students.insertMany([

{Name: "Raj", age: 22, subjects: ["Math", "Science"], graduated: false},

{Name: "Priya", age: 24, subjects: ["Literature", "History"], graduated: true},

{Name: "Anil", age: 23, subjects: ["Math", "Literature"], graduated: true},

{Name: "Sita", age: 25, subjects: ["Science", "Math"], graduated: true},

{Name: "Reema", age: 21, subjects: ["Math", "Science"], graduated: false}

]);

// Deleting a document

db.students.deleteOne({age: 22});

// Updating a document

db.students.updateOne({Name: "Priya"}, {$set: {subjects: ["History", "Philosophy"]}});

// Adding a new field (hasMath) for students with Math as a subject

db.students.updateMany({subjects: ["Math"]}, {$set: {hasMath: true}}, {upsert: true});

// Finding documents

db.students.find({age: {$gt: 22}}).pretty(); // Get all students older than 22

// Querying with $or operator

db.students.find({$or: [{Name: "Sita"}, {age: 23}]}).pretty(); // Get Sita or anyone aged 23

// Querying with $not

db.students.find({age: {$not: {$gt: 23}}}).pretty(); // Get students aged 23 or younger