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db.student.insertMany([
  { name: "Ram", rollNo: 101, marks: 85, CGPA: 9.2, branch: "Computer Science", nativeCity: "Delhi" },
  { name: "Sita", rollNo: 102, marks: 88, CGPA: 8.6, branch: "IT", nativeCity: "Mumbai" },
  { name: "Shyam", rollNo: 103, marks: 75, CGPA: 7.9, branch: "Electrical", nativeCity: "Kolkata" },
  { name: "Ravi", rollNo: 104, marks: 90, CGPA: 9.5, branch: "Computer Science", nativeCity: "Bangalore" },
  { name: "Priya", rollNo: 105, marks: 80, CGPA: 8.2, branch: "Electronics", nativeCity: "Chennai" },
  { name: "Amit", rollNo: 106, marks: 95, CGPA: 9.8, branch: "Computer Science", nativeCity: "Delhi" },
  { name: "Geeta", rollNo: 107, marks: 78, CGPA: 8.0, branch: "Civil", nativeCity: "Hyderabad" }]
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("68b68f3350e207eedee6292a"),
    ObjectId("68b68f3350e207eedee6292b"),
    ObjectId("68b68f3350e207eedee6292c"),
    ObjectId("68b68f3350e207eedee6292d"),
    ObjectId("68b68f3350e207eedee6292e"),
    ObjectId("68b68f3350e207eedee6292f"),
    ObjectId("68b68f3350e207eedee62930")
  ]
}
db.student.find().pretty()
{
  "_id" : ObjectId("68b68f3350e207eedee6292a"),
  "name" : "Ram",
  "rollNo" : 101,
  "marks" : 85,
  "CGPA" : 9.2,
  "branch" : "Computer Science",
  "nativeCity" : "Delhi"
}
{
  "_id" : ObjectId("68b68f3350e207eedee6292b"),
  "name" : "Sita",
  "rollNo" : 102,
  "marks" : 88,
  "CGPA" : 8.6,
  "branch" : "IT",
  "nativeCity" : "Mumbai"
}
{
  "_id" : ObjectId("68b68f3350e207eedee6292c"),
  "name" : "Shyam",
  "rollNo" : 103,
  "marks" : 75,
  "CGPA" : 7.9,
  "branch" : "Electrical",
  "nativeCity" : "Kolkata"
}
{
  "_id" : ObjectId("68b68f3350e207eedee6292d"),
  "name" : "Ravi",
  "rollNo" : 104,
  "marks" : 90,
  "CGPA" : 9.5,
  "branch" : "Computer Science",
  "nativeCity" : "Bangalore"
}

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}

{
    "_id" : ObjectId("68b68f3350e207eedee6292e"),
    "name" : "Priya",
    "rollNo" : 105,
    "marks" : 80,
    "CGPA" : 8.2,
    "branch" : "Electronics",
    "nativeCity" : "Chennai"
}
{
    "_id" : ObjectId("68b68f3350e207eedee6292f"),
    "name" : "Amit",
    "rollNo" : 106,
    "marks" : 95,
    "CGPA" : 9.8,
    "branch" : "Computer Science",
    "nativeCity" : "Delhi"
}
{
    "_id" : ObjectId("68b68f3350e207eedee62930"),
    "name" : "Geeta",
    "rollNo" : 107,
    "marks" : 78,
    "CGPA" : 8,
    "branch" : "Civil",
    "nativeCity" : "Hyderabad"
}

db.student.updateOne(
{ name: "Ram" }, { $set: { marks: 90 } })
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }

db.student.find({ $or: [{ CGPA: { $gte: 9 } }, { branch: "Computer Science" }] }).pretty()
{
    "_id" : ObjectId("68b68f3350e207eedee6292a"),
    "name" : "Ram",
    "rollNo" : 101,
    "marks" : 90,
    "CGPA" : 9.2,
    "branch" : "Computer Science",
    "nativeCity" : "Delhi"
}
{
    "_id" : ObjectId("68b68f3350e207eedee6292d"),
    "name" : "Ravi",
    "rollNo" : 104,
    "marks" : 90,
    "CGPA" : 9.5,
    "branch" : "Computer Science",
    "nativeCity" : "Bangalore"
}
{
    "_id" : ObjectId("68b68f3350e207eedee6292f"),
    "name" : "Amit",
    "rollNo" : 106,
    "marks" : 95,

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"CGPA" : 9.8,  
"branch" : "Computer Science",  
"nativeCity" : "Delhi"  
}  
  
db.student.find({ branch: { $ne: "IT" } }).pretty()  
{  
    "_id" : ObjectId("68b68f3350e207eedee6292a"),  
    "name" : "Ram",  
    "rollNo" : 101,  
    "marks" : 90,  
    "CGPA" : 9.2,  
    "branch" : "Computer Science",  
    "nativeCity" : "Delhi"  
}  
}  
{  
    "_id" : ObjectId("68b68f3350e207eedee6292c"),  
    "name" : "Shyam",  
    "rollNo" : 103,  
    "marks" : 75,  
    "CGPA" : 7.9,  
    "branch" : "Electrical",  
    "nativeCity" : "Kolkata"  
}  
}  
{  
    "_id" : ObjectId("68b68f3350e207eedee6292d"),  
    "name" : "Ravi",  
    "rollNo" : 104,  
    "marks" : 90,  
    "CGPA" : 9.5,  
    "branch" : "Computer Science",  
    "nativeCity" : "Bangalore"  
}  
}  
{  
    "_id" : ObjectId("68b68f3350e207eedee6292e"),  
    "name" : "Priya",  
    "rollNo" : 105,  
    "marks" : 80,  
    "CGPA" : 8.2,  
    "branch" : "Electronics",  
    "nativeCity" : "Chennai"  
}  
}  
{  
    "_id" : ObjectId("68b68f3350e207eedee6292f"),  
    "name" : "Amit",  
    "rollNo" : 106,  
    "marks" : 95,  
    "CGPA" : 9.8,  
    "branch" : "Computer Science",  
    "nativeCity" : "Delhi"  
}  
}  
{  
    "_id" : ObjectId("68b68f3350e207eedee62930"),  
    "name" : "Geeta",  
    "rollNo" : 107,  
    "marks" : 78,  
    "CGPA" : 8,
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        "branch" : "Civil",
        "nativeCity" : "Hyderabad"
    }

db.student.find({ $nor: [{ CGPA: { $eq: 9 } }, { branch: "Computer Science" }] }).pretty()
{
    "_id" : ObjectId("68b68f3350e207eedee6292b"),
    "name" : "Sita",
    "rollNo" : 102,
    "marks" : 88,
    "CGPA" : 8.6,
    "branch" : "IT",
    "nativeCity" : "Mumbai"
}
{
    "_id" : ObjectId("68b68f3350e207eedee6292c"),
    "name" : "Shyam",
    "rollNo" : 103,
    "marks" : 75,
    "CGPA" : 7.9,
    "branch" : "Electrical",
    "nativeCity" : "Kolkata"
}
{
    "_id" : ObjectId("68b68f3350e207eedee6292e"),
    "name" : "Priya",
    "rollNo" : 105,
    "marks" : 80,
    "CGPA" : 8.2,
    "branch" : "Electronics",
    "nativeCity" : "Chennai"
}
{
    "_id" : ObjectId("68b68f3350e207eedee62930"),
    "name" : "Geeta",
    "rollNo" : 107,
    "marks" : 78,
    "CGPA" : 8,
    "branch" : "Civil",
    "nativeCity" : "Hyderabad"
}

db.student.save({ name: "Nisha", rollNo: 108, marks: 88, CGPA: 8.1, branch: "Computer Science", nativeCity: "Mumbai" })
WriteResult({ "nInserted" : 1 })
db.student.deleteOne({ name: "Sita" })
{ "acknowledged" : true, "deletedCount" : 1 }
db.student.find({ branch: "Computer Science" }).sort({ CGPA: -1 }).limit(1).pretty()
{
    "_id" : ObjectId("68b68f3350e207eedee6292f"),
    "name" : "Amit",
    "rollNo" : 106,
    "marks" : 95,
    "CGPA" : 9.8,
    "branch" : "Computer Science",
    "nativeCity" : "Delhi"
}

```