

## MONGODB Assignment 1 Solution

Query 1: `db.students.find({department:'IT'}, {name:true, cgpa:true})`

Query 2: `db.students.find({cgpa:{$gte:8.5}}, {name:true, roll_no:true, department:true})`

Query 3: `db.students.find({ department: { $in: ["ECE", "ME"] } })`

Query 4: `db.students.find({year:4, cgpa:{$gt:8.0}}, {name:true, cgpa:true})`

Query 5: `db.students.find({$and: [{ department: { $ne: "CSE" } }, { cgpa: { $lte: 7.5 } } ]})`

Query 6: `db.students.find().sort({cgpa:-1}).limit(3)`

Query 7: `db.students.find().sort({cgpa:-1}).skip(3).limit(3)`

Query 8: `db.students.updateMany({department:"CSE"}, {$inc:{cgpa:0.2}})`

Query 9: `db.students.updateMany({cgpa:{$lt:7.0}}, {$set:{department:"Probation"}})`

Query 10: `db.students.updateMany({department:"ME"}, {$unset:{email:""}})`

Query 11: `db.students.updateMany({}, {$rename:{"cgpa":"gpa"}})`

Query 12: `db.students.replaceOne( { roll_no: "CSE2104" }, {  
roll_no: "CSE2104",  
name: "Akrati Maheshwari",  
year: 3,  
department: "CSE",  
cgpa: 9.5,  
email: "akrati.new@univ.edu  
}`