

# Answer of assignment 1

1. `db.students.find({ department: "IT" }, { _id: 0, name: 1, cgpa: 1 });`
2. `db.students.find({ cgpa: { $gte: 8.5 } }, { _id: 0, name: 1, roll_no: 1, department: 1 });`
3. `db.students.find({ department: { $in: ["ECE", "ME"] } });`
4. `db.students.find({ year: 4, cgpa: { $gt: 8.0 } }, { _id: 0, name: 1, cgpa: 1 });`
5. `db.students.find({ $and: [ { department: { $ne: "CSE" } }, { cgpa: { $lte: 7.5 } } ] });`
6. `db.students.find().sort({ cgpa: -1 }).limit(3);`
7. `db.students.find().sort({ cgpa: -1 }).limit(3).skip(3);`
8. `db.students.updateMany( { department: "CSE" }, { $inc: { cgpa: 0.2 } });`
9. `db.students.updateMany({ cgpa: { $lt: 7.0 } }, { $set: { department: "Probation" } });`
10. `db.students.updateMany( { department: "ME" }, { $unset: { email: "" } });`
11. `db.students.updateMany({}, { $rename: { "cgpa": "gpa" } });`
12. `db.students.replaceOne(`
13. `{ roll_no: "CSE2104" },`
14. `{ roll_no: "CSE2104", name: "Simran Kaur", year: 3, department: "CSE", cgpa: 9.4, email: "simrankaur.cse@univ.edu" });`