

Assignment-1 MongoDB

Ans-1 `db.students.find({ department: "IT" }, { _id: 0, name: 1, cgpa: 1 })`

Ans-2 `db.students.find({ cgpa: { $gte: 8.5 } }, { _id: 0, name: 1, roll_number: 1, department: 1 })`

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

Ans-4 `db.students.find({ year: 4, cgpa: { $gt: 8.0 } }, { _id: 0, name: 1, cgpa: 1 })`

Ans-5 `db.students.find({ $and: [{ department: { $ne: "CSE" } }, { cgpa: { $lte: 7.5 } }] }, { _id: 0, name: 1, department: 1, cgpa: 1 })`

Ans-6 `db.students.find({}, { _id: 0, name: 1, cgpa: 1 }).sort({ cgpa: -1 }).limit(3)`

Ans-7 `db.students.find({}, { _id: 0, name: 1, cgpa: 1 }).sort({ cgpa: -1 }).skip(3).limit(3)`

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

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

Ans-10 db.students.updateMany({ department:
"ME" }, { \$unset: { email: "" } })

Ans-11 db.students.updateMany({}, { \$rename: { "cgpa":
"gpa" } })

Ans- 12 db.students.replaceOne({ roll_number:
"CSE2104" }, { roll_number: "CSE2104", name: "Updated
Student Name", department: "CSE", year: 4, gpa:
9.2, email: "updated.email@example.com" })