MongoDB Assignment 1

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Q1)

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

Q2)

db.students.find({ cgpa: { $gte: 8.5 } }, { name: 1, roll_no: 1, department: 1, _id: 0 })

Q3)

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

Q4)

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

Q5)

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

Q6)

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

Q7)

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

Q8)

db.students.updateMany(

 { department: "CSE" },

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  { $inc: { cgpa: 0.2 } }
)


Q9)
db.students.updateMany(
 { cgpa: { $lt: 7.0 } },
 { $set: { department: "Probation" } }
)


Q10)
db.students.updateMany(
 { department: "ME" },
 { $unset: { email: "" } }
)


Q11)
db.students.updateMany(
 {},
 [{ $set: { gpa: "$cgpa" } }, { $unset: "cgpa" }]
)


Q12)
db.students.replaceOne(
 { roll_no: "CSE2104" },
 {
   roll_no: "CSE2104",
   name: "Simran Kaur",
   year: 3,
   department: "CSE",
```

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    cgpa: 9.5,
    email: "simran.new@univ.edu"
  }
)
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