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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