MONGODB ASSIGNMENT 1
SOLUTIONS

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

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

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

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

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 })
  .skip(3)
  .limit(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(
  { roll_no: "CSE2104" },
  {
    roll_no: "CSE2104",
    name: "Simran Kaur",
    year: 2,
    department: "CSE",
    cgpa: 9.5,
    email: "simrankaur@updated.edu"
  }
)
```