ASSIGNMENT

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(

{},

{ \_id: 0, name: 1, cgpa: 1 }

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

7.)

db.students.find(

{},

{ \_id: 0, name: 1, cgpa: 1 }

).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",

gpa: 9.4, // Assume updated GPA field (after rename)

email: "simran.updated@univ.edu"

}

)