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:3,department:"CSE",gpa:9.2,email:"simran.kaur@univ.edu
```