

Assignment 1 – Practice Queries

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.updateOne(  
  { roll_no: "CSE2104" },  
  {  
    $set: {  
      name: "Simran Kaur",  
      year: 2,  
      department: "CSE",  
      cgpa: 9.4,  
      email:  
        "simran.updated@univ.edu"
```

}

}

)