ASSIGNMENT - 1

Mongo DB

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Find/Query Operation:

```
    db.students.find(

   {department: "IT"}, {name: 1, cgpa: 1}
2. db.students.find(
   {cgpa: {$gte: 8.5}}, {roll_no: 1, name: 1, department: 1}
3. db.students.find(
         {
          department: {$in: ["ECE","ME"]}
         }
    )
4. db.students.find(
   {year: 4, cgpa: {$gt: 8.0}},
   {name:1, cgpa: 1}
5. db.students.find( {$and : [{department: {$ne: "CSE"}}, {cgpa: {$lte: 7.5}}]} )
```

Sort / Pagination:

```
6. db.students.find(
      {}
     ).sort({cgpa: -1}).limit(3);
  7. db.students.find(
      {}
     ).sort({cgpa: -1}).skip(3).limit(3);
Update Operations:
  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: "}}
```

Bonus(Advanced):

```
11. db.students.updateMany(
{},
{$rename: {"cgpa": "gpa"}}
}

12. db.students.replaceOne(
{roll_no: "CSE2104" },
{

roll_no: "CSE2104",
name: "Virat Kohli",
department: "CSE",
year: 3,
gpa: 8.5
}
```