# **ASSIGNMENT**

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**Assignment Number:** 1 (Mongo DB)

#### **Find / Query Operations**

```
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 } }
  );
```

### **Sort / Pagination**

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

#### **Update Operations**

## **Bonus (Advanced)**

```
11.
  db.students.updateMany(
    {},
```

```
{ $rename: { "cgpa": "gpa" } }
);

12.

db.students.replaceOne(
    { roll_no: "CSE2104" },
    {
      roll_no: "CSE2104",
      name: "Simran Kaur",
      year: 3,
      department: "CSE",
      cgpa: 9.4,
      email: "simran.kaur@univ.edu"
    }
);
```