Lab-1

1. Create a database "Student" with the following attributes Rollno, Age, ContactNo, Email-Id.
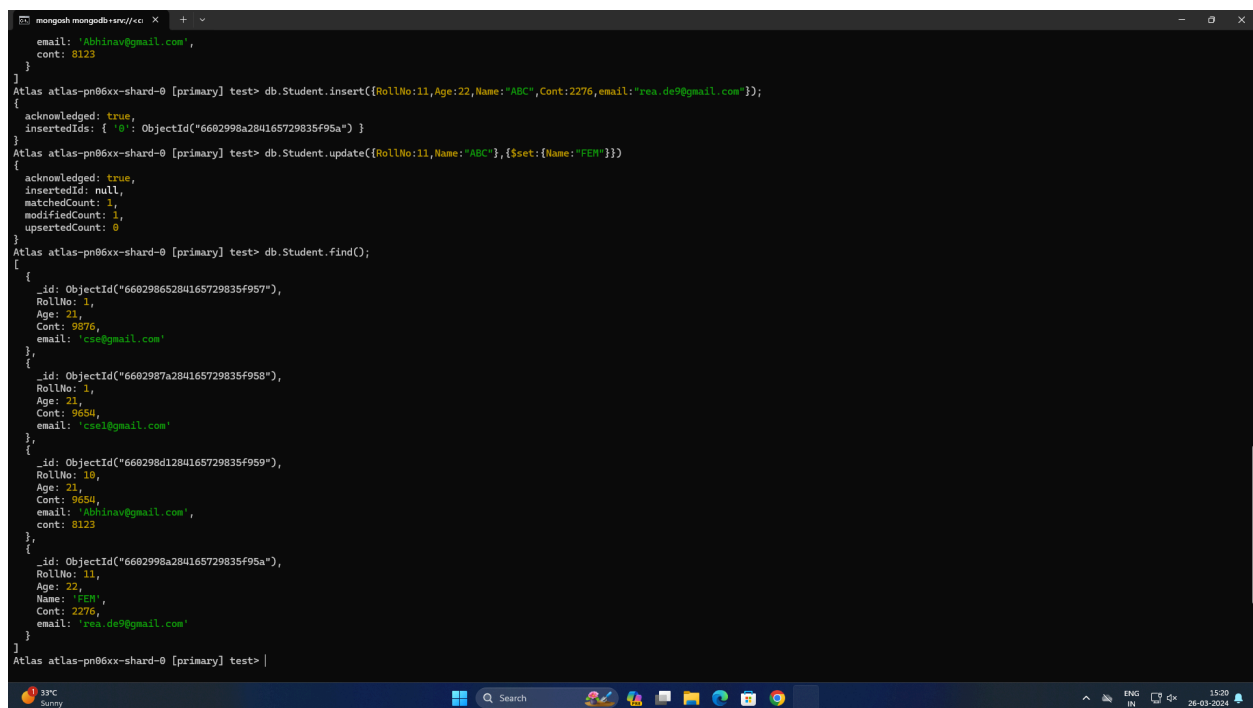db.createCollection("Student");

2. Insert appropriate values
db.Student.insert({RollNo:1,Age:21,Cont:9876,email:"cse@gmail.com"});
db.Student.insert({RollNo:1,Age:21,Cont:9654,email:"cse1@gmail.com"});
db.Student.insert({RollNo:10,Age:21,Cont:9654});
db.Student.insert({RollNo:11,Age:22,Name:"ABC",Cont:2276,email:"rea.de9@gmail.com"});

3. Write query to update Email-Id of a student with rollno 10.
db.Student.update({RollNo:10},{$set:{email:"Abhinav@gmail.com"}})

4. Replace the student name from "ABC" to "FEM" of rollno 11.
db.Student.update({RollNo:11,Name:"ABC"},{$set:{Name:"FEM"}})

5. Display Student Name and grade(Add if grade is not present)where the _id column is 1.

db.Student.insert({_id:1,Name:"David","Grade":"VII"});
db.Student.find({_id:1}, {Name:1, Grade:1, _id:0});

6. Update to add hobbies
db.Student.update({"RollNo":10}, {$set:{"hobbies": "Reading"}});

```
Atlas atlas-pn06xx-shard-0 [primary] test> db.Student.update({"RollNo":10}, {$set:{"hobbies": "Reading"}});
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
Atlas atlas-pn06xx-shard-0 [primary] test> db.Student.update({"RollNo":10}, {$set:{"hobbies": "Reading"}});
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

7. Find documents where hobbies is set neither to Chess nor to Skating
db.Student.find({"hobbies": {$nin:["Chess", "Skating"]}});

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Atlas atlas-pn06xx-shard-0 [primary] test> db.Student.find({"hobbies": {$nin:["Chess", "Skating"]}});
[
  {
    _id: ObjectId("66029865284165729835f957"),
    RollNo: 1,
    Age: 21,
    Cont: 9876,
    email: 'cse@gmail.com'
  },
  {
    _id: ObjectId("6602987a284165729835f958"),
    RollNo: 1,
    Age: 21,
    Cont: 9654,
    email: 'cse1@gmail.com'
  },
  {
    _id: ObjectId("660298d1284165729835f959"),
    RollNo: 10,
    Age: 21,
    Cont: 9654,
    email: 'Abhinav@gmail.com',
    cont: 8123,
    hobbies: 'Reading'
  },
  {
    _id: ObjectId("6602998a284165729835f95a"),
    RollNo: 11,
    Age: 22,
    Name: 'FEM',
```

8.Find documents whose name begins with A
db.Student.find({"Name":/^A/});
db.Student.find({"Name":/^F/});

```
Atlas atlas-pn06xx-shard-0 [primary] test> db.Student.find({"Name":/^F/});
[
  {
    _id: ObjectId("6602998a284165729835f95a"),
    RollNo: 11,
    Age: 22,
    Name: 'FEM',
    Cont: 2276,
    email: 'rea.de9@gmail.com'
  }
]
```