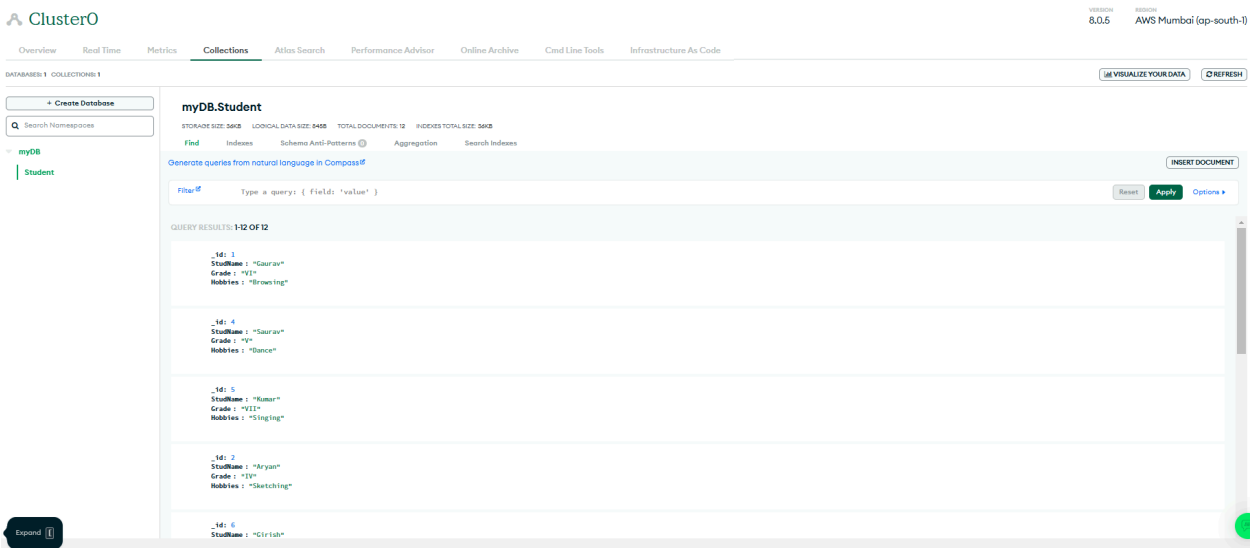
```
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find()
[
  { _id: 1, StudName: 'Gaurav', Grade: 'VI', Hobbies: 'Browsing' },
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' },
  { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' }
]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find({StudName:"Kumar"})
[ { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' } ]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find({Grade:{$eq:'VII'}});
\[ { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' } ]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find({Grade:{$eq:'VII'}});
[ { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' } ]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.count();
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
3
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find().sort({StudName:1});
[
  { _id: 1, StudName: 'Gaurav', Grade: 'VI', Hobbies: 'Browsing' },
  { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' },
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' }
]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find().sort({Grade:1});
[
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' },
  { _id: 1, StudName: 'Gaurav', Grade: 'VI', Hobbies: 'Browsing' },
  { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' }
]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find().sort({Grade:-1});
[
  { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' },
  { _id: 1, StudName: 'Gaurav', Grade: 'VI', Hobbies: 'Browsing' },
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' }
]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.insert({_id:2,StudName:"Aryan",Grade:"IV",Hobbies:"Sketching"});
{ acknowledged: true, insertedIds: { '0': 2 } }
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find()
[
  { _id: 1, StudName: 'Gaurav', Grade: 'VI', Hobbies: 'Browsing' },
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' },
  { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' },
  { _id: 2, StudName: 'Aryan', Grade: 'IV', Hobbies: 'Sketching' }
]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find().sort({Grade:1});
[
  { _id: 2, StudName: 'Aryan', Grade: 'IV', Hobbies: 'Sketching' },
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' },
  { _id: 1, StudName: 'Gaurav', Grade: 'VI', Hobbies: 'Browsing' },
  { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' }
]
```

```
Atlas atlas-z7tbbe-shard-0 [primary] test> use myDB
switched to db myDB
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db
myDB
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.createCollection("Student")
{ ok: 1 }
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.createCollection("Faculty")
{ ok: 1 }
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Faculty.drop()
true
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.insert({_id:1,StudName:"Jonathan",Grade:"VI",Hobbies:"Browsing"});

DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{ acknowledged: true, insertedIds: { '0': 1 } }
Atlas atlas-z7tbbe-shard-0 [primary] myDB> var mystudent = [{_id:4,StudName:"Saurav",Grade:"V",Hobbies:"Dance"},{_id:5,StudName:"Kumar",Grade:"VII",Hobbies:"Singing"}]

Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.insert(mystudent)
{ acknowledged: true, insertedIds: { '0': 4, '1': 5 } }
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.update({StudName:"Jonathan"},{$set:{StudName:"Gaurav"}});
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find()
[
  { _id: 1, StudName: 'Gaurav', Grade: 'VI', Hobbies: 'Browsing' },
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' },
  { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' }
]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find({StudName:"Kumar"})
[ { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' } ]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find({Grade:{$eq:'VII'}});
\[ { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' } ]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find({Grade:{$eq:'VII'}});
[ { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' } ]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.count();
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
3
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find().sort({StudName:1});
[
  { _id: 1, StudName: 'Gaurav', Grade: 'VI', Hobbies: 'Browsing' },
  { _id: 5, StudName: 'Kumar', Grade: 'VII', Hobbies: 'Singing' },
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' }
]
Atlas atlas-z7tbbe-shard-0 [primary] myDB> db.Student.find().sort({Grade:1});
[
  { _id: 4, StudName: 'Saurav', Grade: 'V', Hobbies: 'Dance' },
```

```
C:\Users\student>mongoexport --uri="mongodb+srv://mohithjaincs22:mohith2026@cluster0.ziljs.mongodb.net/myDB" --collectio
n=Student --out "C:\Users\student\Desktop\output.json"
2025-03-04T15:18:44.999+0530    connected to: mongodb+srv://[**REDACTED**]@cluster0.ziljs.mongodb.net/myDB
2025-03-04T15:18:45.153+0530    exported 4 records

C:\Users\student>mongoimport --uri="mongodb+srv://mohithjaincs22:mohith2026@cluster0.ziljs.mongodb.net/myDB" --collection=Student --type json --file "C:\Users\student\Desktop\output.json"
2025-03-04T15:27:39.890+0530    connected to: mongodb+srv://[**REDACTED**]@cluster0.ziljs.mongodb.net/myDB
2025-03-04T15:27:39.940+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 4 }
2025-03-04T15:27:39.941+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 5 }
2025-03-04T15:27:39.941+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 2 }
2025-03-04T15:27:39.941+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 1 }
2025-03-04T15:27:39.941+0530    0 document(s) imported successfully. 4 document(s) failed to import.

C:\Users\student>mongoimport --uri="mongodb+srv://mohithjaincs22:mohith2026@cluster0.ziljs.mongodb.net/myDB" --collection=Student --type json --file "C:\Users\student\Desktop\output.json"
2025-03-04T15:29:31.415+0530    connected to: mongodb+srv://[**REDACTED**]@cluster0.ziljs.mongodb.net/myDB
2025-03-04T15:29:31.494+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 4 }
2025-03-04T15:29:31.494+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 5 }
2025-03-04T15:29:31.494+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 2 }
2025-03-04T15:29:31.494+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 1 }
2025-03-04T15:29:31.494+0530    4 document(s) imported successfully. 4 document(s) failed to import.

C:\Users\student>mongoimport --uri="mongodb+srv://mohithjaincs22:mohith2026@cluster0.ziljs.mongodb.net/myDB" --collection=Student --type json --file "C:\Users\student\Desktop\output.json"
2025-03-04T15:29:47.641+0530    connected to: mongodb+srv://[**REDACTED**]@cluster0.ziljs.mongodb.net/myDB
2025-03-04T15:29:47.728+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 7 }
2025-03-04T15:29:47.728+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 8 }
2025-03-04T15:29:47.728+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 9 }
2025-03-04T15:29:47.728+0530    continuing through error: E11000 duplicate key error collection: myDB.Student index: _id_ dup key: { _id: 6 }
2025-03-04T15:29:47.729+0530    0 document(s) imported successfully. 4 document(s) failed to import.

C:\Users\student>mongoimport --uri="mongodb+srv://mohithjaincs22:mohith2026@cluster0.ziljs.mongodb.net/myDB" --collection=Student --type json --file "C:\Users\student\Desktop\output.json"
2025-03-04T15:30:12.612+0530    connected to: mongodb+srv://[**REDACTED**]@cluster0.ziljs.mongodb.net/myDB
2025-03-04T15:30:12.657+0530    4 document(s) imported successfully. 0 document(s) failed to import.

C:\Users\student>
```



Date 4/3/25
Page

Lab-01

Create "student" Database and export the created database to local file system

```
> mongosh
> use myDB
> db.CreateCollection("Student")
> db.Student.insert({
    _id: 1,
    StudName: "Jonathan",
    Grade: "VI",
    Hobbies: "Browsing"});

> db.Student.update({StudName: "Jonathan"},
    {$set: {StudName: "Gaurav"}});

> db.student.find()

mongoexport --uri="mongodb+srv://
  //mohithcs22:Rohit2024@cluster0.zijs.
  mongodb.net/myDB" --collection=Student
  -out "C:/Users/student/Desktop/output.json"

mongoimport --uri="mongodb+srv://
  //mohithcs22:mohit2024@cluster0.zijs.
  mongodb.net/myDB" --collection=Student
  --type json --file "C:/Users/Student/Desktop/
  output.json"
```