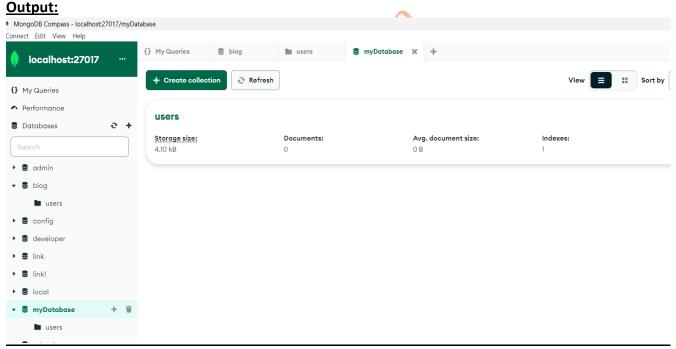
# Assignment – 4

- 1. Database Setup: Create a new MongoDB database called myDatabase
- 2. Collection Creation: Create a collection named users within the myDatabase database.

**Using mongosh:** 

```
use myDatabase
switched to db myDatabase
db.createCollection('users')
{ ok: 1 }
```



3.Document Insertion: Insert at least three documents into the users collection, each representing a user with fields such as name, email, and age.

```
Db.users.insertMany([{'name':'sreya','email':'sreya123@gmail.com','age':20},{'name':'rasi','email':'rasi@g mail.com','age':21},{'name':'pradeep','email':'pradeep@gmail.com','age':22}]) {
    acknowledged: true,
    insertedIds: {
        '0': ObjectId('65fbcd518748e78646550acf'),
        '1': ObjectId('65fbcd518748e78646550ad0'),
        '2': ObjectId('65fbcd518748e78646550ad1')
    }
}
```

### Output:

# myDatabase.users

```
Documents
               Aggregations
                             Schema
                                         Indexes Validation
 Filter <sup>™</sup> • • •
                Type a query: { field: 'value' } or Generate query ★
◆ ADD DATA ▼

☑ EXPORT DATA ▼

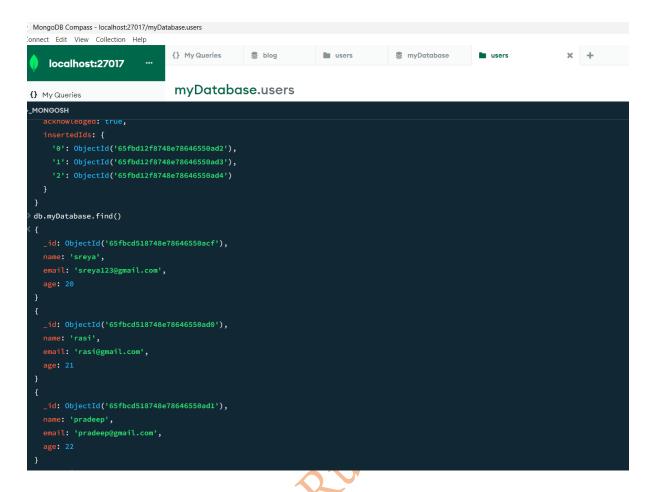
✓ UPDATE

                                                  DELETE
        _id: ObjectId('65fbd12f8748e78646550ad2')
        name: "sreya"
        email: "sreya123@gmail.com"
        age: 20
        _id: ObjectId('65fbd12f8748e78646550ad3')
        name: "rasi"
        email: "rasi@gmail.com"
        age: 21
        _id: ObjectId('65fbd12f8748e78646550ad4')
        name : "pradeep"
        email: "pradeep@gmail.com"
        age: 22
```

# 4. Querying: Write queries to retrieve:

1.All users from the users collection

db.myDatabase.find()



2. Users with an age greater than or equal to 20.

```
> db.users.find({age:{$gt:20}})

< {
    _id: ObjectId('65fbd12f8748e78646550ad3'),
    name: 'rasi',
    email: 'rasi@gmail.com',
    age: 21
}

{
    _id: ObjectId('65fbd12f8748e78646550ad4'),
    name: 'pradeep',
    email: 'pradeep@gmail.com',
    age: 22
}</pre>
```

3. Update Operation: Update the age of a user with a specific email address.

4.Deletion Operation: Delete a user document based on a specific email address.

5.Index Creation: Create an index on the email field of the users collection.

