

Assignment 4

Creating a Database Using MongoDB and Mongosh

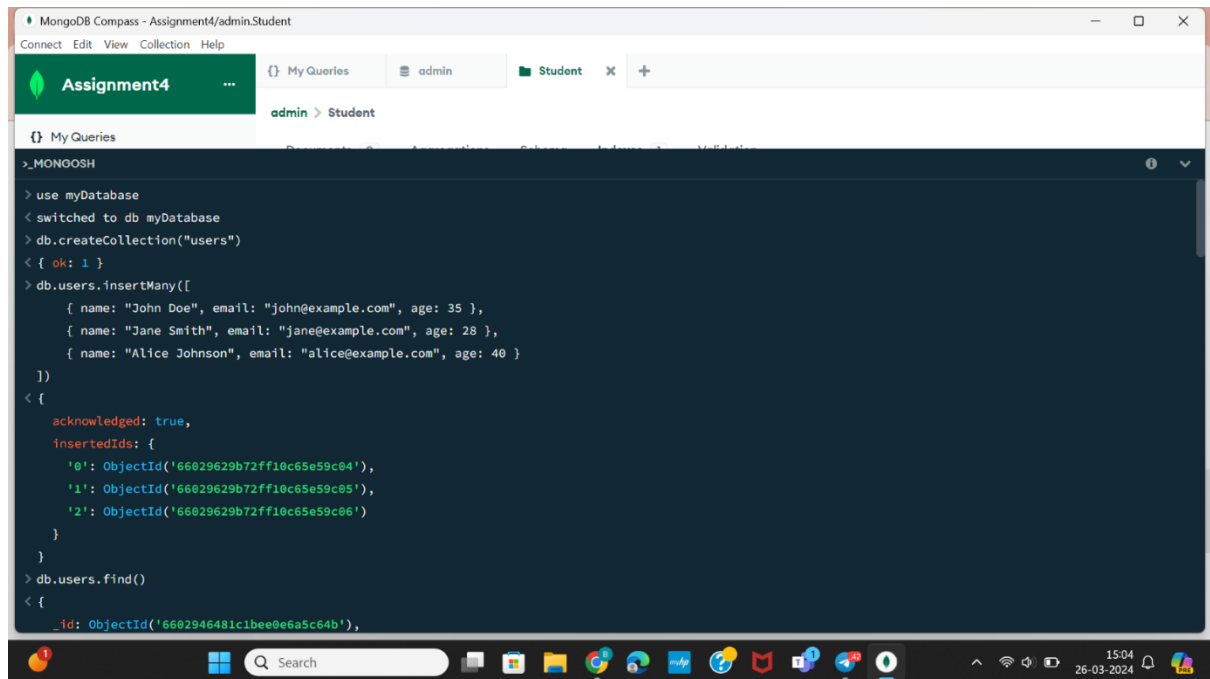
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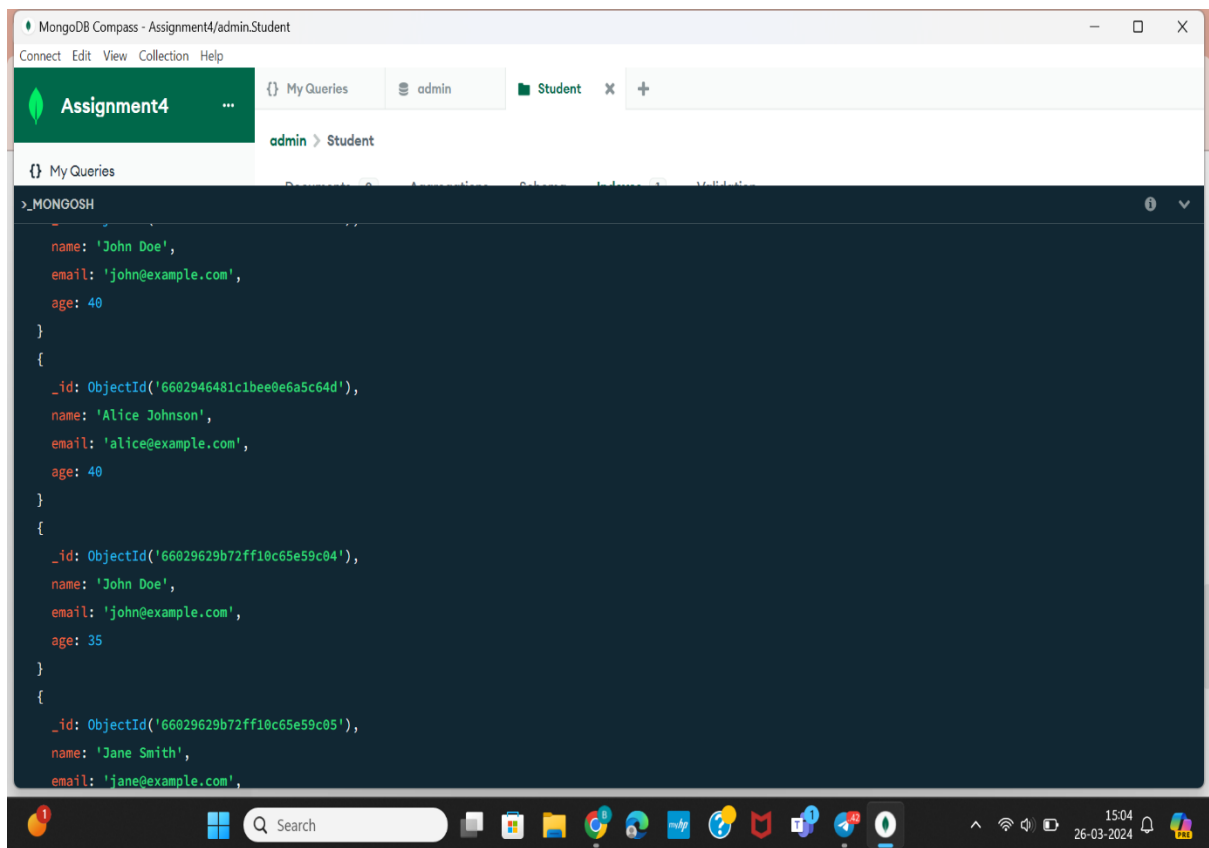
Roll No : 20NN1A05C5(CSE)

College Name : Vignan's Nirula Institute of Technology and Science for Women

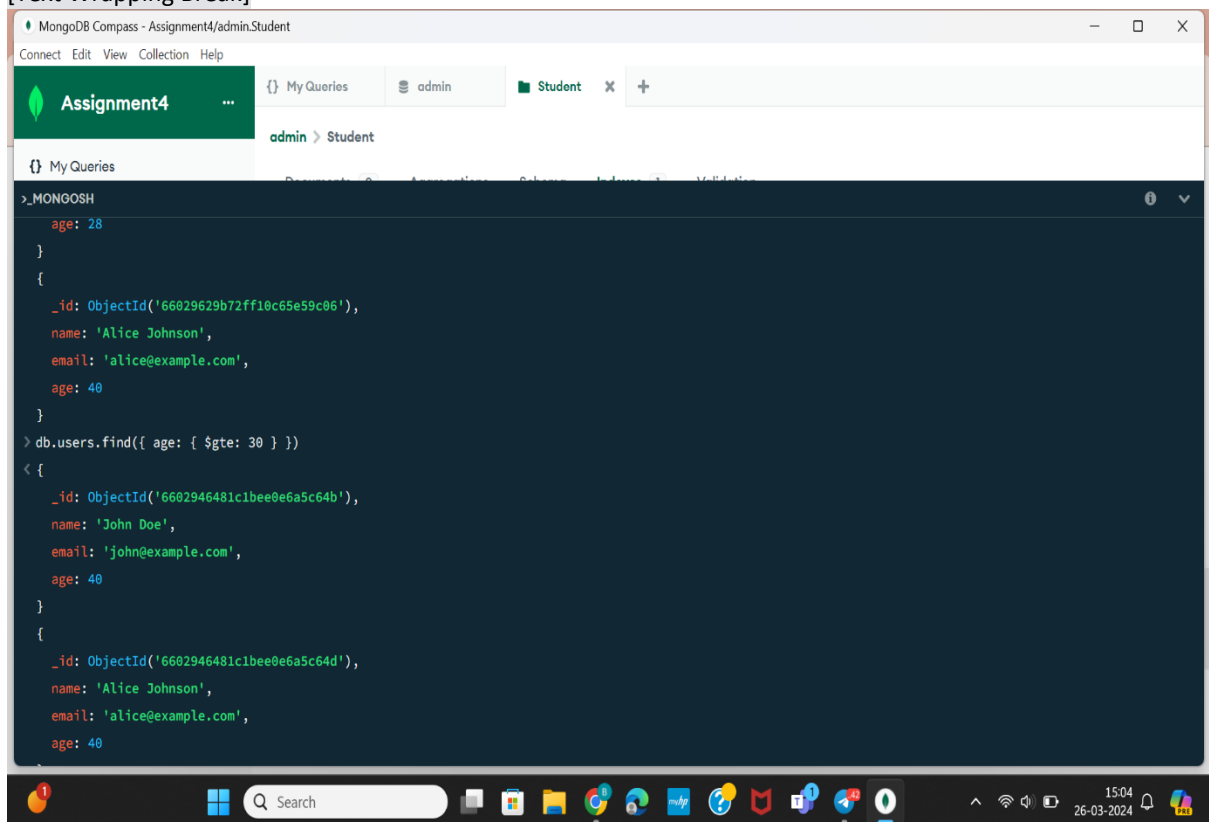


The screenshot displays the MongoDB Compass interface and a terminal window. The Compass window shows the 'Assignment4' database selected, with the 'admin' user and 'Student' collection visible. The terminal window, titled '> MONGOSH', shows the following commands and output:

```
> use myDatabase
< switched to db myDatabase
> db.createCollection("users")
< { ok: 1 }
> db.users.insertMany([
  { name: "John Doe", email: "john@example.com", age: 35 },
  { name: "Jane Smith", email: "jane@example.com", age: 28 },
  { name: "Alice Johnson", email: "alice@example.com", age: 40 }
])
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('66029629b72ff10c65e59c04'),
    '1': ObjectId('66029629b72ff10c65e59c05'),
    '2': ObjectId('66029629b72ff10c65e59c06')
  }
}
> db.users.find()
< {
  _id: ObjectId('6602946481c1bee06a5c64b'),
```



[Text Wrapping Break]



MongoDB Compass - Assignment4/admin.Student

Connect Edit View Collection Help

Assignment4 ... {} My Queries admin Student x +

admin > Student

```
>_MONGOSH
{
  {
    _id: ObjectId('66029629b72ff10c65e59c84'),
    name: 'John Doe',
    email: 'john@example.com',
    age: 35
  }
  {
    _id: ObjectId('66029629b72ff10c65e59c86'),
    name: 'Alice Johnson',
    email: 'alice@example.com',
    age: 40
  }
}
> db.users.updateOne(
  { email: "john@example.com" },
  { $set: { age: 40 } }
)
< {
  acknowledged: true,
  insertedId: null,
}
```

15:04 26-03-2024

MongoDB Compass - Assignment4/admin.Student

Connect Edit View Collection Help

Assignment4 ... {} My Queries admin Student x +

admin > Student

```
>_MONGOSH
  matchedCount: 1,
  modifiedCount: 0,
  upsertedCount: 0
}
> db.users.deleteOne({ email: "jane@example.com" })
< {
  acknowledged: true,
  deletedCount: 1
}
> db.users.createIndex({ email: 1 })
< email_1
> db.users.find()
< {
  _id: ObjectId('6602946481c1bee0e6a5c64b'),
  name: 'John Doe',
  email: 'john@example.com',
  age: 40
}
{
  _id: ObjectId('6602946481c1bee0e6a5c64d'),
```

15:04 26-03-2024

