

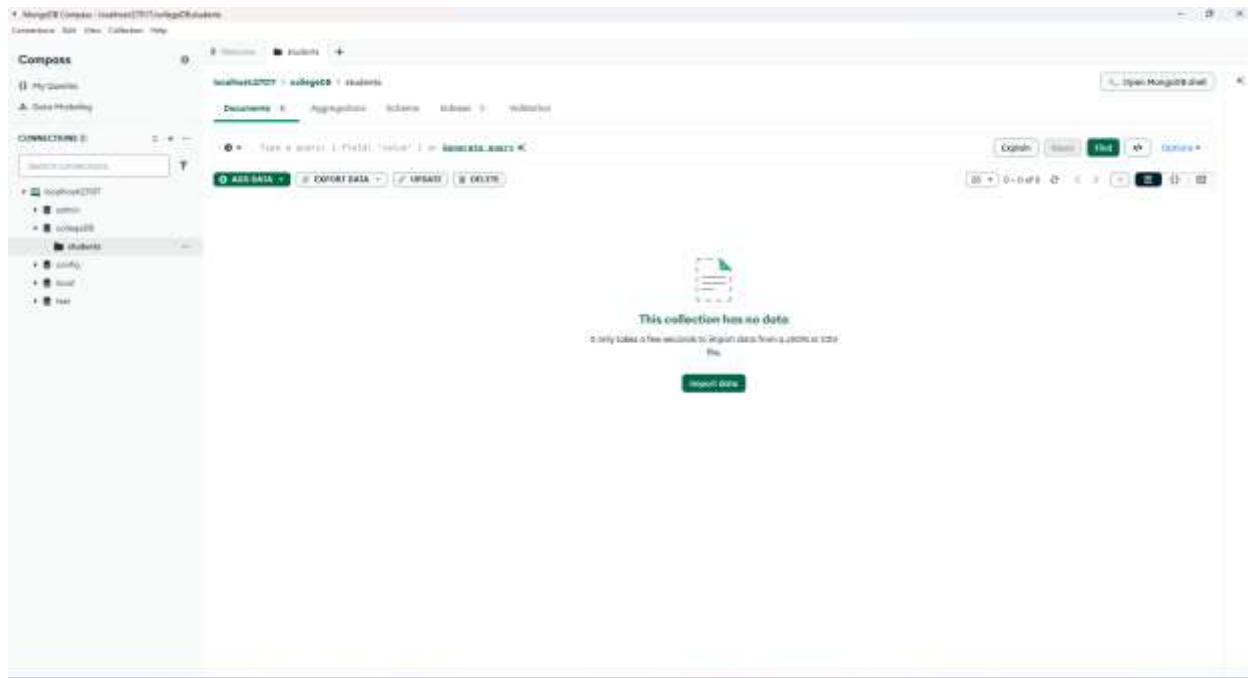
LAB ASSIGNMENT – 1

Name: DISHA BISWAS

Programme: B.Tech CSE(DA)

Roll Number: UG/02/BTCSEDA/2023/004

Registration No: AU/2023/0009796



```
mongodoshell> .exit
Microsoft Windows [Version 10.0.26288.1442]
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C:\Users\kijaymengoh> mongo
{
  "_id": "5f3d8401-1233-4821-8d3e-9c7148320200",
  "name": "Kijay Kanta",
  "rollno": 227,
  "department": "CSE",
  "age": 21
}

{
  "acknowledged": true,
  "insertedId": "5f3d8401-1233-4821-8d3e-9c7148320200"
}

mongodoshell> db.students.insertMany([
  {
    "name": "Kijay Kanta",
    "rollno": 227,
    "department": "CSE",
    "age": 21
  },
  {
    "name": "Arpita Saha",
    "rollno": 388,
    "department": "CSE",
    "age": 22
  },
  {
    "name": "Rituparna Das",
    "rollno": 462,
    "department": "CSE",
    "age": 22
  },
  {
    "name": "Kunti Ray",
    "rollno": 366,
    "department": "CSE",
    "age": 22
  },
  {
    "name": "Reeti Bhattacharjee",
    "rollno": 992,
    "department": "CSE",
    "age": 21
  }
])

{
  "acknowledged": true,
  "insertedCount": 5,
  "insertedIds": [
    "5f3d8401-1233-4821-8d3e-9c7148320200",
    "5f3d8401-1233-4821-8d3e-9c7148320201",
    "5f3d8401-1233-4821-8d3e-9c7148320202",
    "5f3d8401-1233-4821-8d3e-9c7148320203",
    "5f3d8401-1233-4821-8d3e-9c7148320204"
  ]
}

mongodoshell> db.students.find()
[{"name": "Kijay Kanta", "rollno": 227, "department": "CSE", "age": 21}, {"name": "Arpita Saha", "rollno": 388, "department": "CSE", "age": 22}, {"name": "Rituparna Das", "rollno": 462, "department": "CSE", "age": 22}, {"name": "Kunti Ray", "rollno": 366, "department": "CSE", "age": 22}, {"name": "Reeti Bhattacharjee", "rollno": 992, "department": "CSE", "age": 21}]
```

```
mongosh mongod0708 > <-->
  > db.students.insert([
  >   {
  >     id: ObjectId("5e00228415cf260772a364a"),
  >     name: "John Doe",
  >     rollNo: 1,
  >     age: 20,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364b"),
  >     name: "Jane Doe",
  >     rollNo: 2,
  >     age: 20,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364c"),
  >     name: "Mike Johnson",
  >     rollNo: 3,
  >     age: 21,
  >     department: "ECE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364d"),
  >     name: "Sarah Johnson",
  >     rollNo: 4,
  >     age: 21,
  >     department: "ECE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364e"),
  >     name: "David White",
  >     rollNo: 5,
  >     age: 22,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364f"),
  >     name: "Emily White",
  >     rollNo: 6,
  >     age: 22,
  >     department: "CSE"
  >   }
  > ]
  > )
  > db.students.find()
  > [
  >   {
  >     id: ObjectId("5e00228415cf260772a364a"),
  >     name: "John Doe",
  >     rollNo: 1,
  >     age: 20,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364b"),
  >     name: "Jane Doe",
  >     rollNo: 2,
  >     age: 20,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364c"),
  >     name: "Mike Johnson",
  >     rollNo: 3,
  >     age: 21,
  >     department: "ECE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364d"),
  >     name: "Sarah Johnson",
  >     rollNo: 4,
  >     age: 21,
  >     department: "ECE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364e"),
  >     name: "David White",
  >     rollNo: 5,
  >     age: 22,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364f"),
  >     name: "Emily White",
  >     rollNo: 6,
  >     age: 22,
  >     department: "CSE"
  >   }
  > ]
  > db.students.updateOne(
  >   { rollNo: 200 },
  >   { $set: { age: 21 } }
  > )
  > db.students.find()
  > [
  >   {
  >     id: ObjectId("5e00228415cf260772a364a"),
  >     name: "John Doe",
  >     rollNo: 1,
  >     age: 20,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364b"),
  >     name: "Jane Doe",
  >     rollNo: 2,
  >     age: 20,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364c"),
  >     name: "Mike Johnson",
  >     rollNo: 3,
  >     age: 21,
  >     department: "ECE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364d"),
  >     name: "Sarah Johnson",
  >     rollNo: 4,
  >     age: 21,
  >     department: "ECE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364e"),
  >     name: "David White",
  >     rollNo: 5,
  >     age: 22,
  >     department: "CSE"
  >   },
  >   {
  >     id: ObjectId("5e00228415cf260772a364f"),
  >     name: "Emily White",
  >     rollNo: 6,
  >     age: 22,
  >     department: "CSE"
  >   }
  > ]
  > db.students.deleteMany({ rollNo: { $in: [1, 2, 3, 4, 5] } })
  > db.students.find()
  > [
  >   {
  >     id: ObjectId("5e00228415cf260772a364a"),
  >     name: "John Doe",
  >     rollNo: 6,
  >     age: 20,
  >     department: "CSE"
  >   }
  > ]
```

```
mongodump -d test -c students --out ./
```

```
  insertedCount: 6,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
}
test->db.students.update(
  { _id: { $exists: true } },
  { $set: { age: 21 } }
)
{
  ...
}
db.students.deleteMany({ rollNo: { $in: [1, 3, 4, 12, 13] } })
{
  acknowledged: true,
  deletedCount: 5
}
test->db.students.find()
{
  ...
}
{
  "_id": ObjectId("5e000342333c43007a3001"),
  "name": "Dipto Das",
  "rollNo": 101,
  "department": "CSE",
  "age": 20
},
{
  "_id": ObjectId("5e000342333c43007a3002"),
  "name": "Suman Saha",
  "rollNo": 102,
  "department": "CSE",
  "age": 21
},
{
  "_id": ObjectId("5e000342333c43007a3003"),
  "name": "Pranay Datta",
  "rollNo": 103,
  "department": "CSE",
  "age": 20
},
{
  "_id": ObjectId("5e000342333c43007a3004"),
  "name": "Amit Mitra",
  "rollNo": 104,
  "department": "CSE",
  "age": 21
},
{
  "_id": ObjectId("5e000342333c43007a3005"),
  "name": "Kavya Bhattacharya",
  "rollNo": 105,
  "department": "CSE",
  "age": 20
}
}
}
test->
```