Lesson 01 Demo 04

Accessing Collections in MongoDB

Objective: To access a collection in MongoDB as a document to execute the CRUD workflow

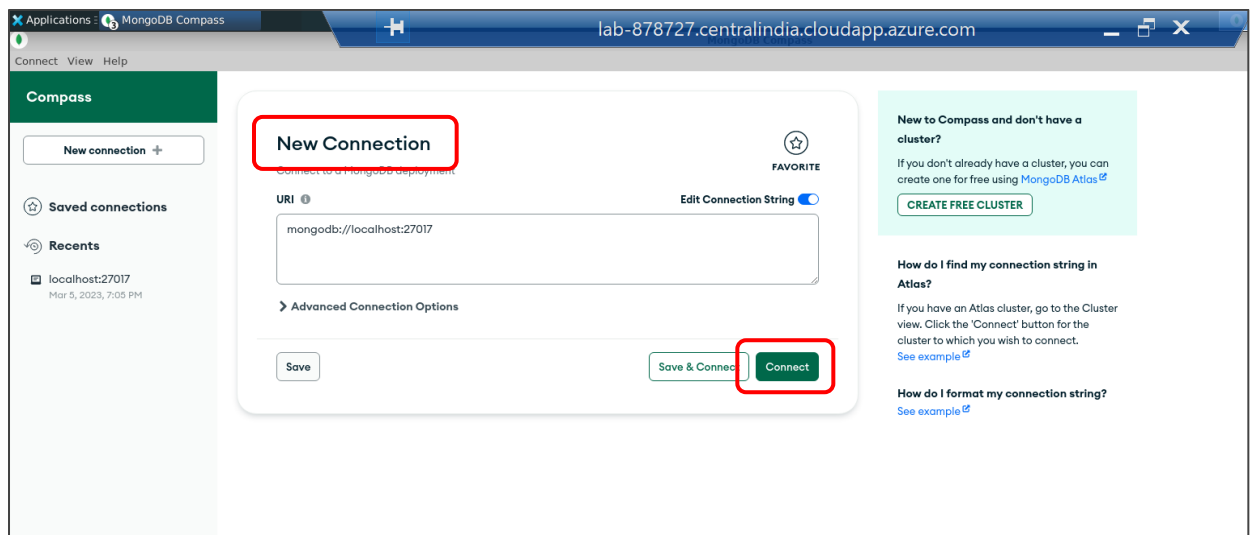**Tools required:** MongoDB Compass
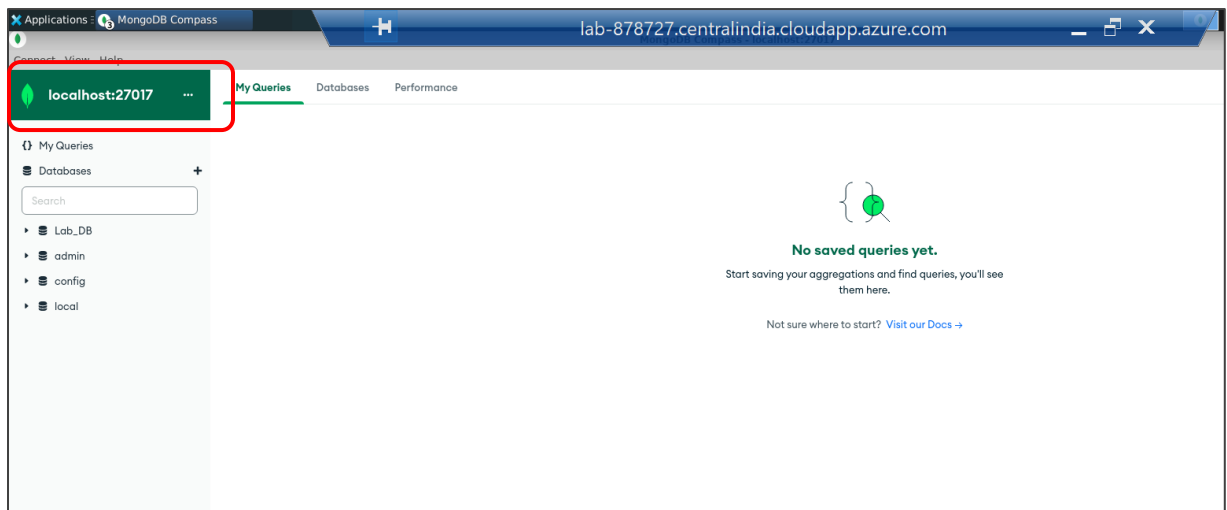
Prerequisites: Knowledge of DBMS and JavaScript

Steps to be followed:
1. Connect to the MongoDB Compass using the virtual machine extension
2. Create a database in MongoDB Compass
3. Create a collection in the database
4. Open the collection document in MongoDB Compass

Step 1: Connect to the MongoDB Compass using the virtual machine extension

1.1 To create a new connection in MongoDB Compass, enter **mongodb://localhost:27017** in the URL box, then click on **Connect**
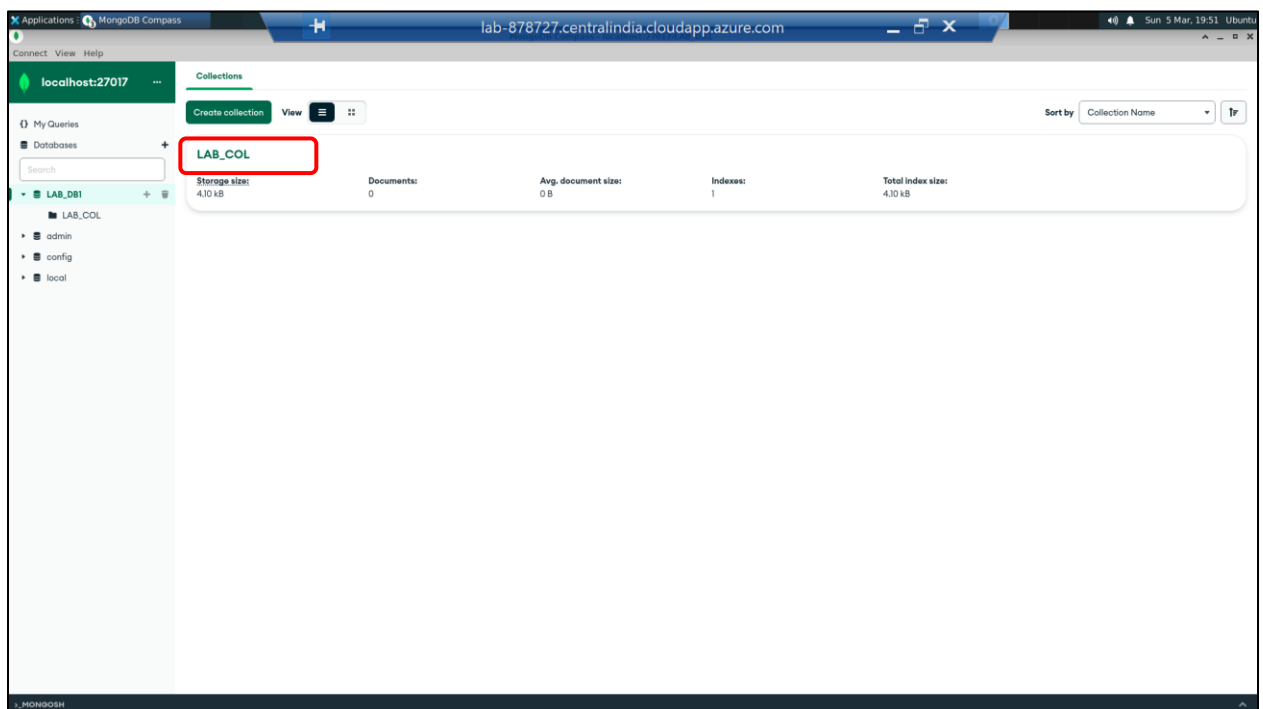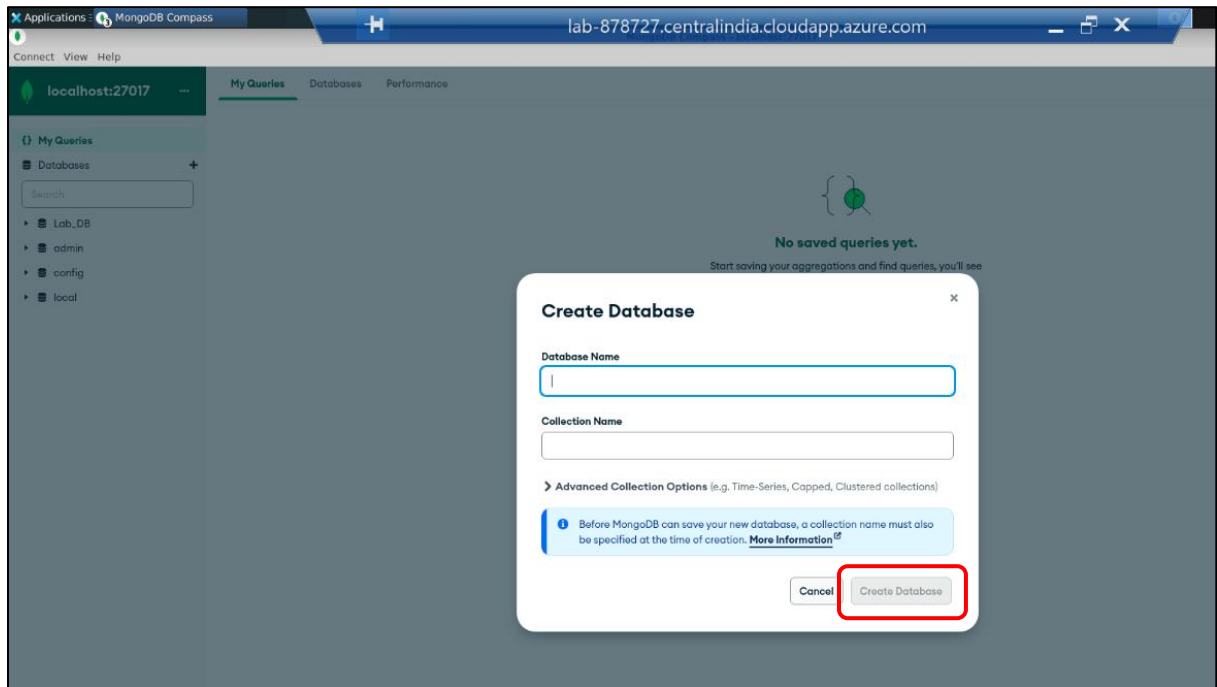
The connection has been established to the localhost in MongoDB Compass.

Step 2: Create a database in MongoDB Compass
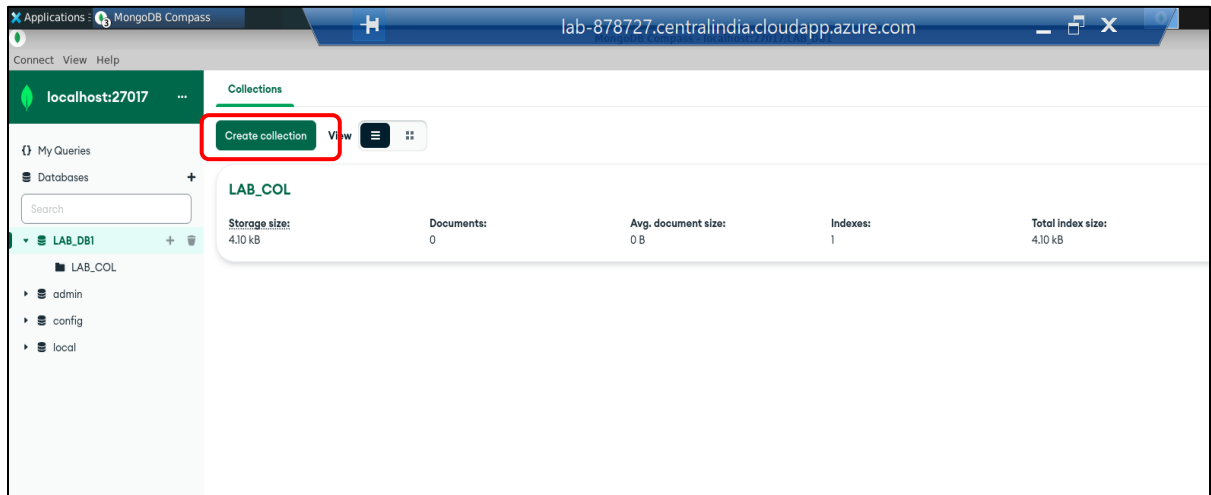
2.1 Click on **Databases** to create a database

2.2 Enter the **Database Name** and **Collection Name,** then click on **Create Database**
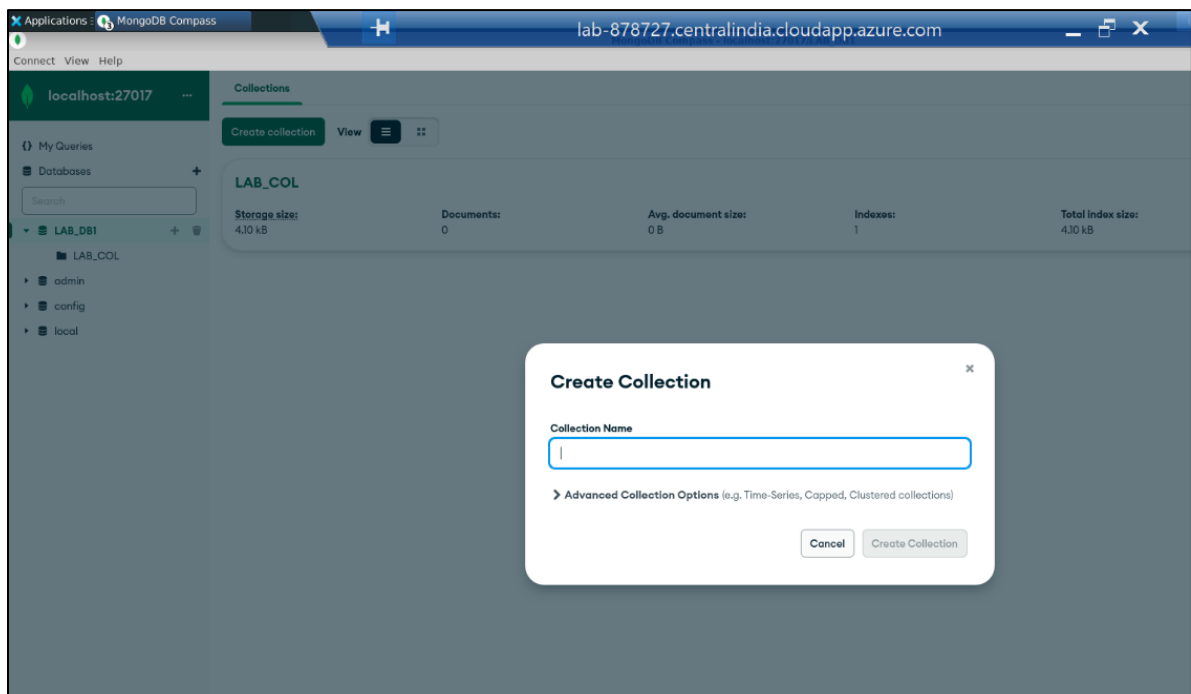

The database has been created.

Step 3: Create a collection in the database

3.1 To create a collection, click on the pane tab of **Create Collection**

3.2 Enter the **Collection Name** and click the **Create Collection** button to create a collection inside the database
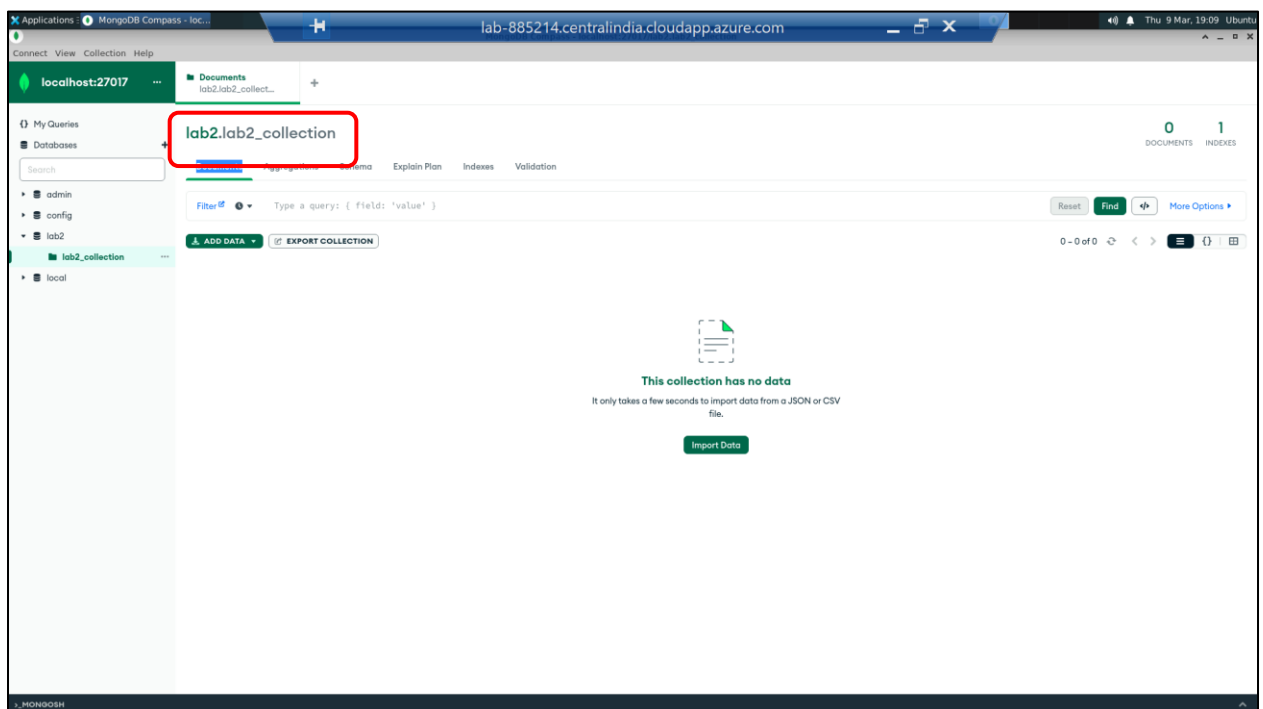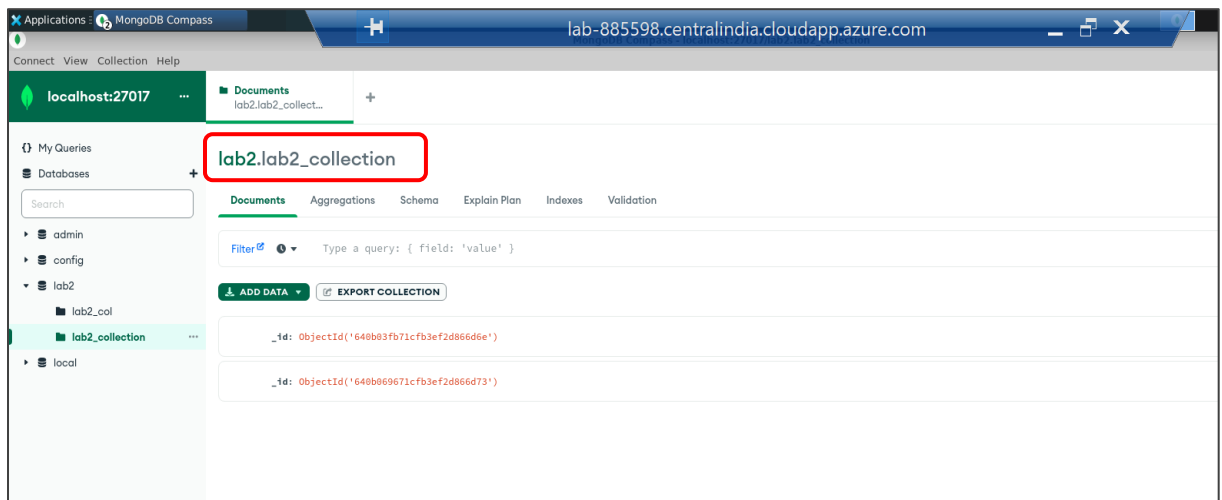
The collection has been created.

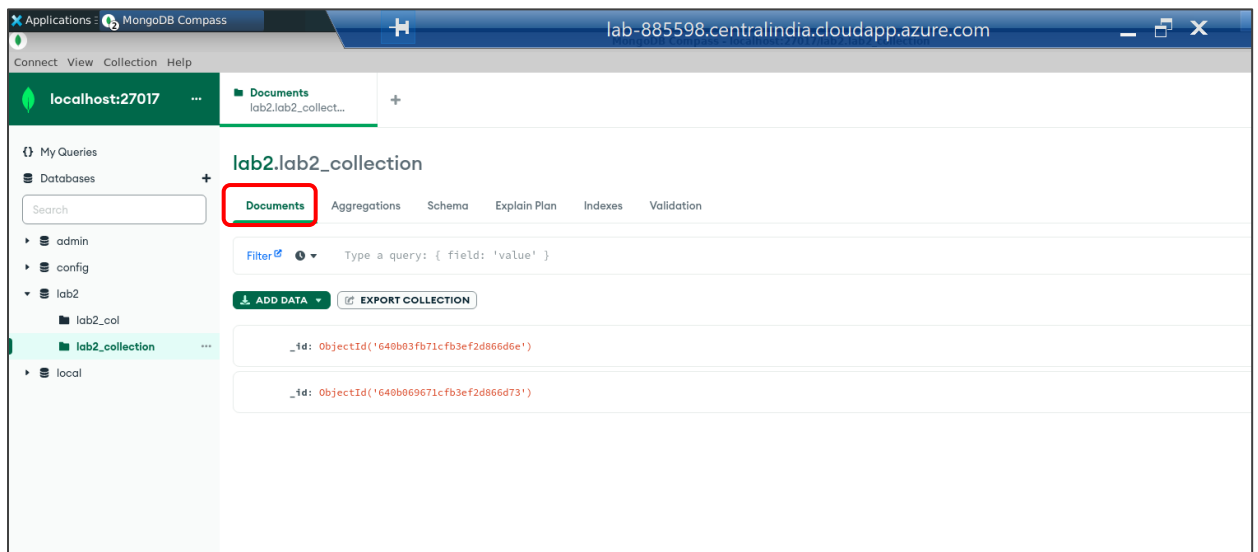## Step 4: Open the collection document in MongoDB Compass

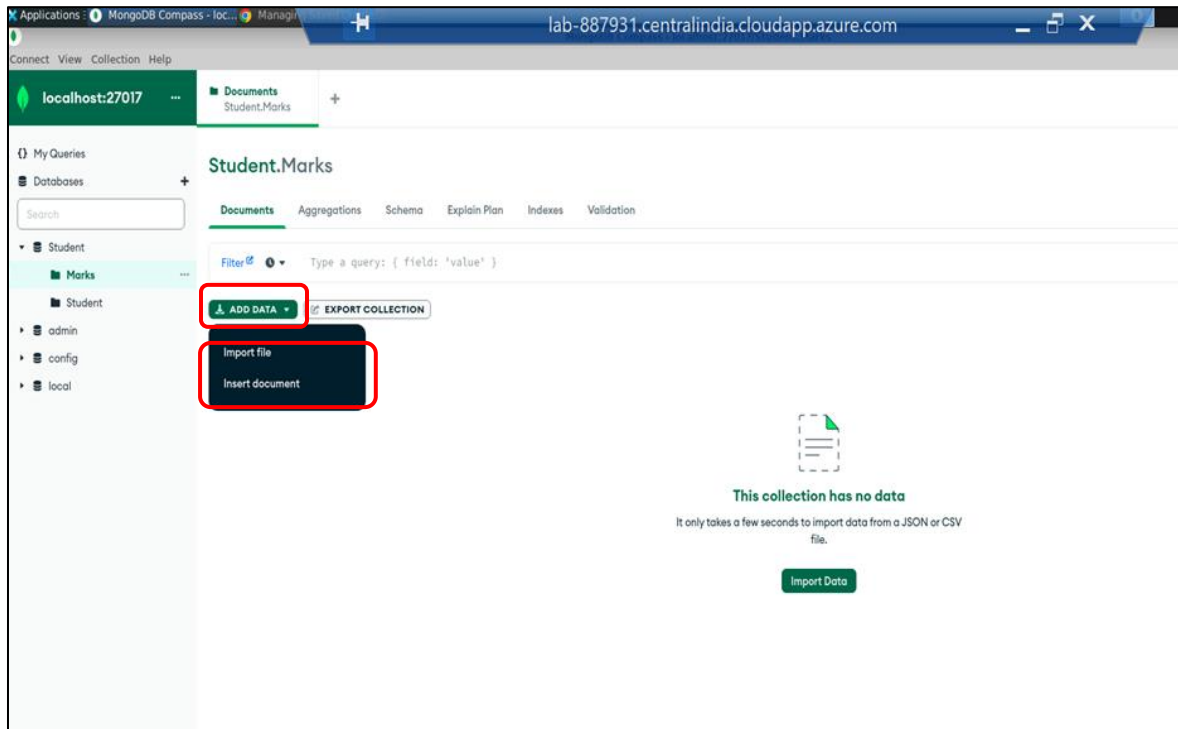4.1 Open the collections in MongoDB Compass

4.2 Select the collection to insert the data

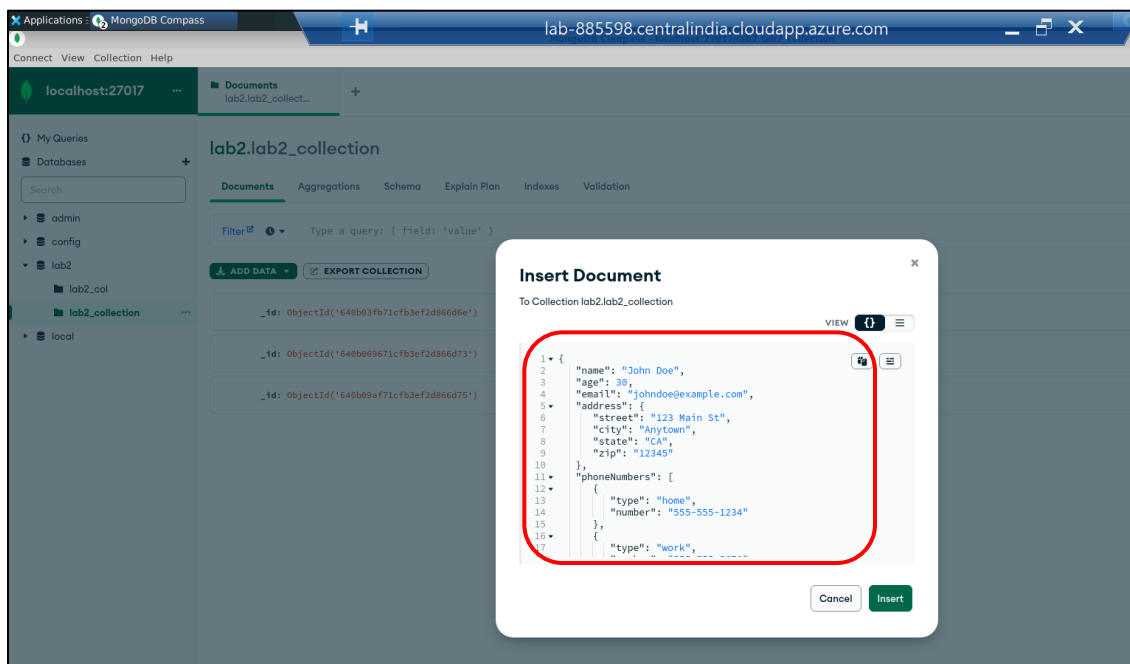## 4.3 Click on the **Document** tab at the top of the screen

4.4 Click on **Add Data** and select **Insert Document** to add a new document to the collection
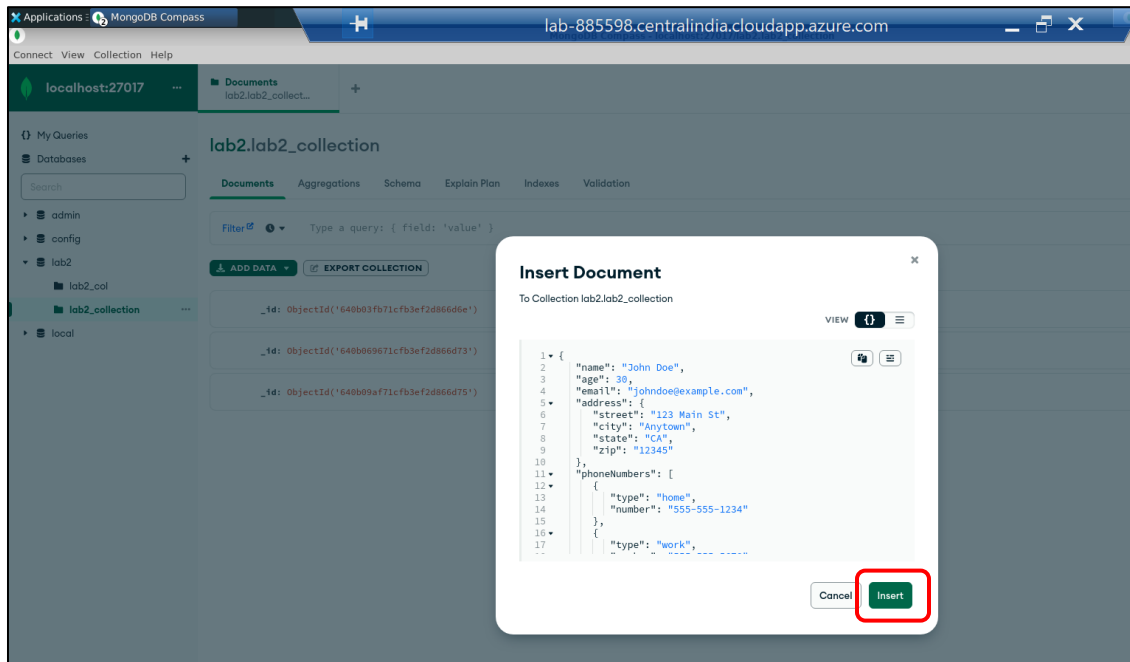
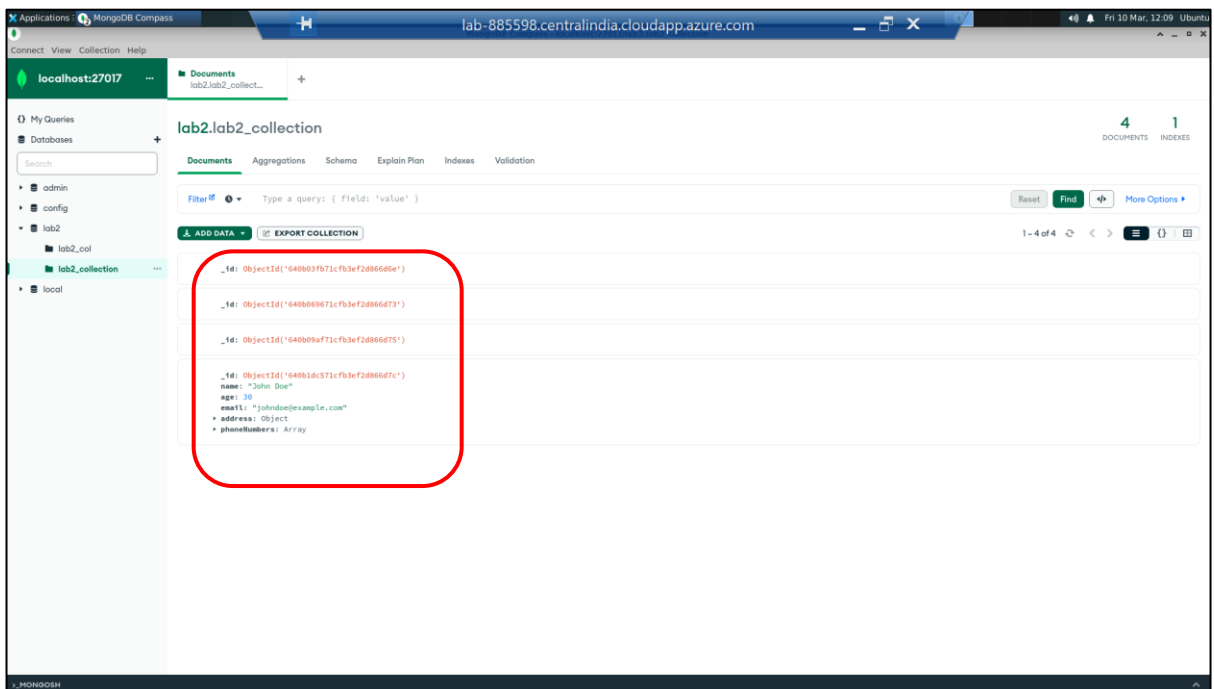4.5 Enter the following code in the specified field to access the data:

```
  {
"_id": ObjectId("615a9f9f1b8a080a0416d53f"),
"_name": "John Doe",
"age": 30,
"email": "johndoe@example.com",
"address": {
  "street": "123 Main St",
  "city": "Anytown",
  "state": "CA",
  "zip": "12345"
},
"phoneNumbers": [
  {
    "type": "home",
    "number": "555-555-1234"
  },
  {
    "type": "work",
    "number": "555-555-5678"
  }
 ]
}
```
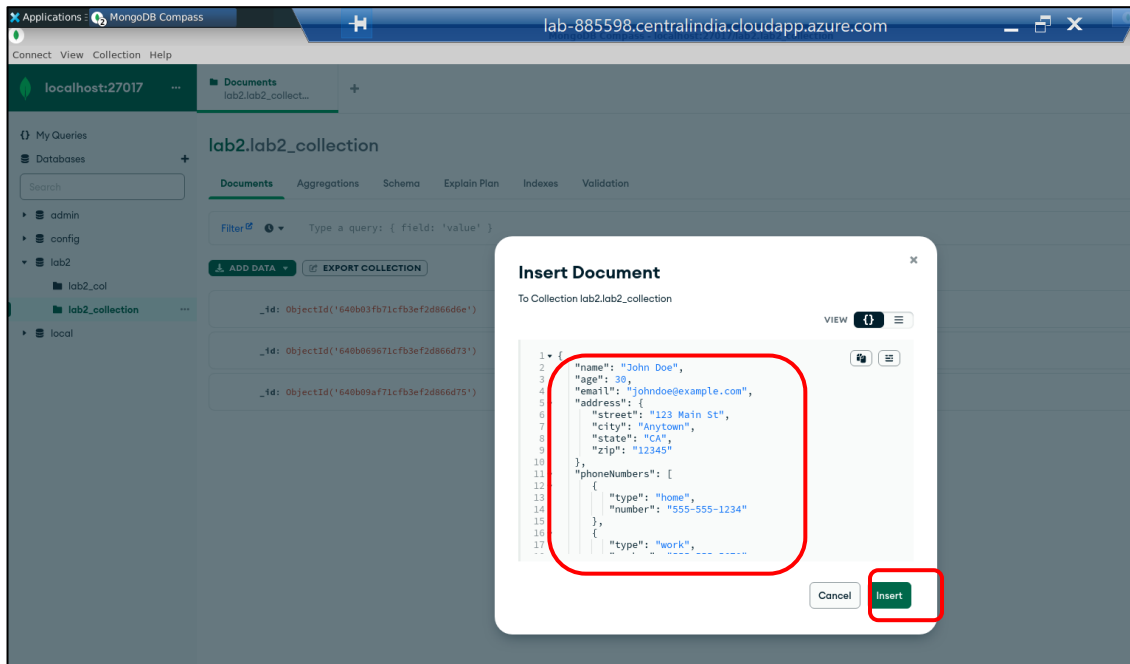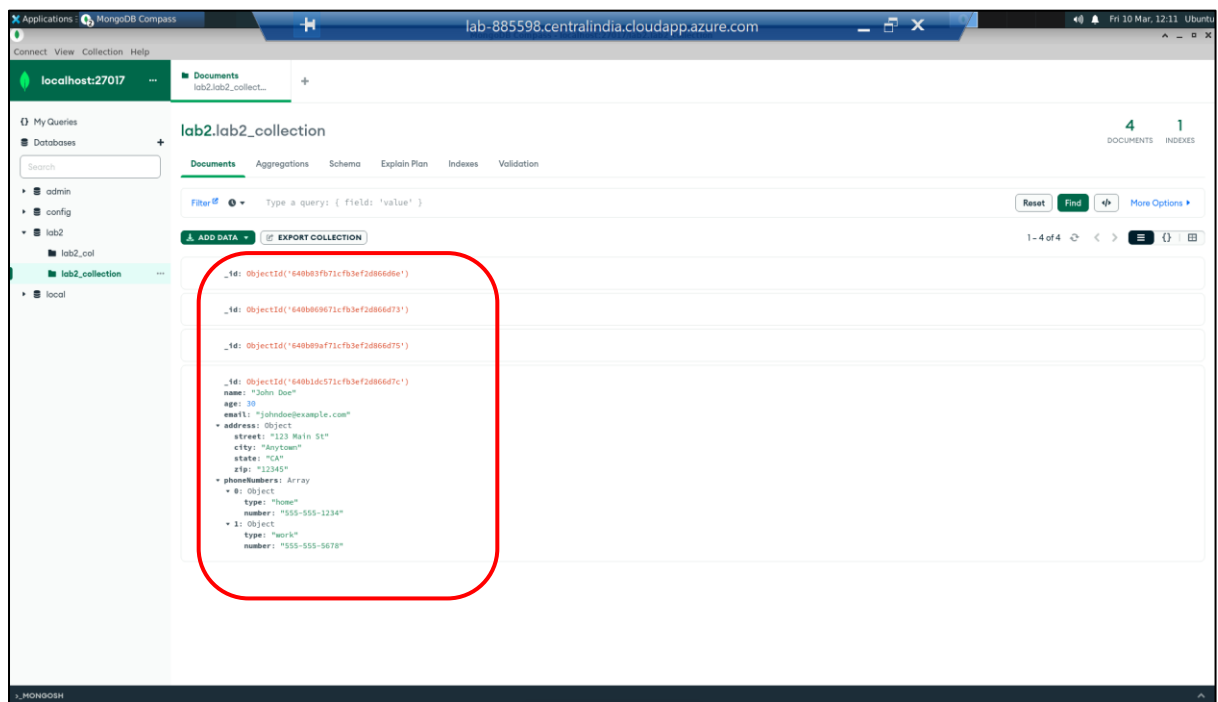
4.6 Click the **Insert** button

The document has been added to the collection and can be viewed in the collection segment.

4.7 To insert more documents in the collection, repeat the previous steps

4.8 View the documents in the collection

By following these steps, you have successfully accessed a collection in MongoDB as a document database to execute the CRUD workflow.