Lesson 02 Demo 01

Implementing Schema Guidelines

Objective: To create a database collection in MongoDB and apply schema guidelines for validation
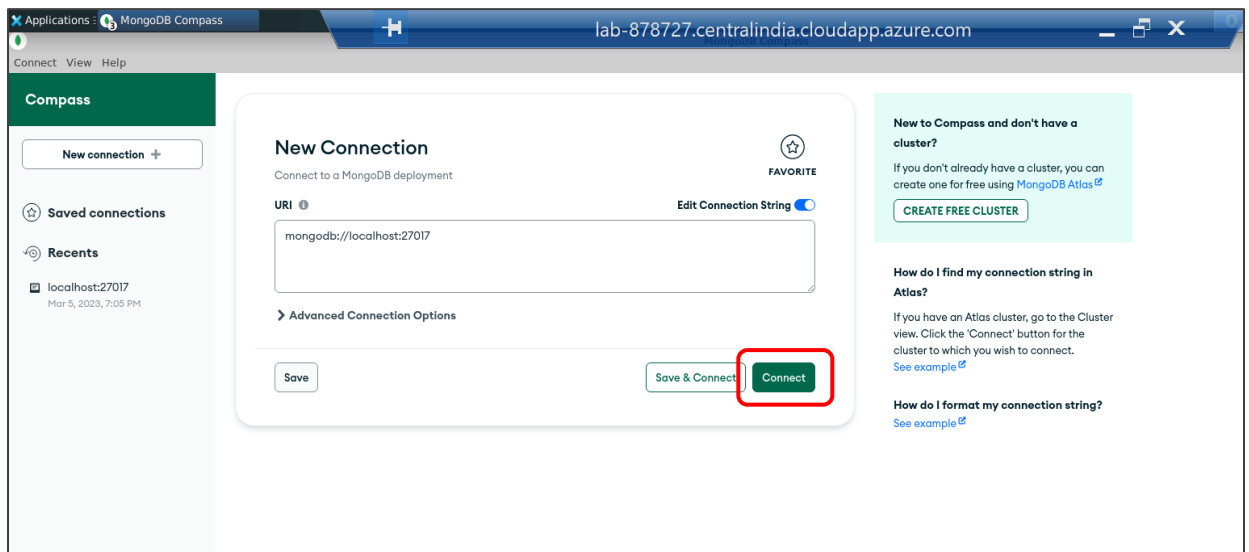
Tools required: MongoDB Compass
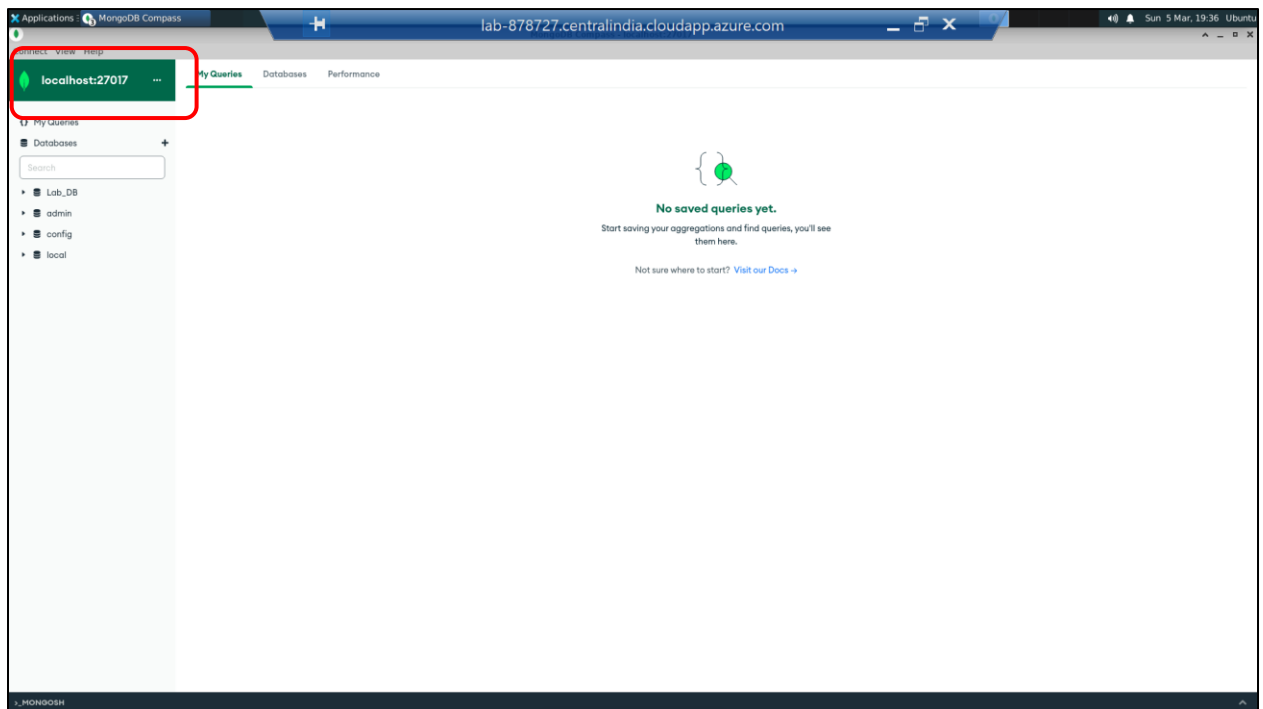
Prerequisites: Knowledge of DBMS and SQL1

Steps to be followed:
1. Connect to MongoDB Compass using virtual machine extensions
2. Create a database in MongoDB Compass
3. Create collections in a database
4. Validate the schema guidelines

Step 1: Connect to MongoDB Compass using virtual machine extensions

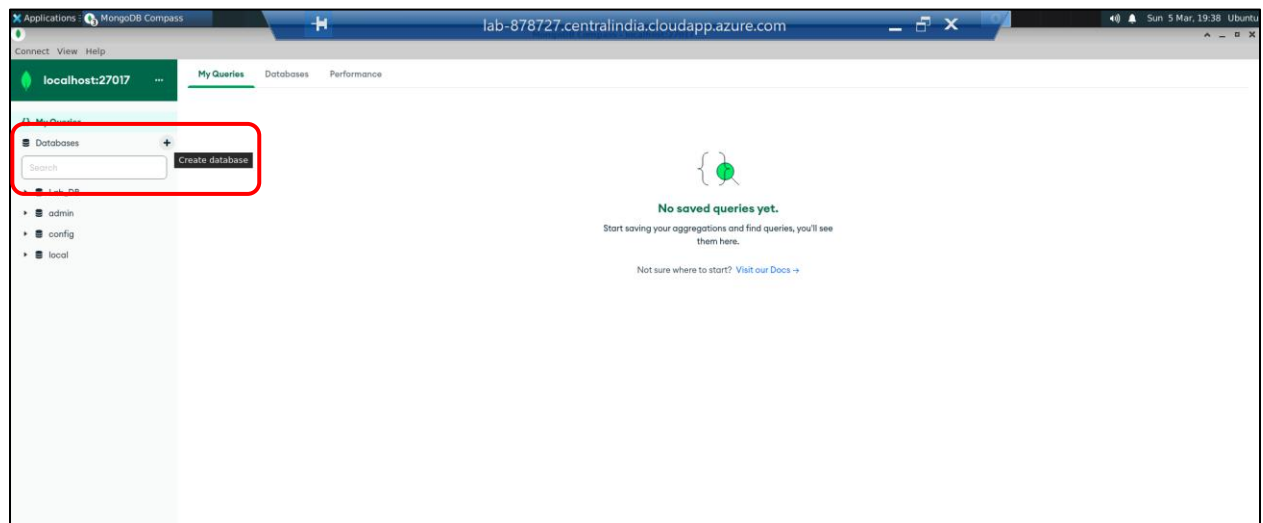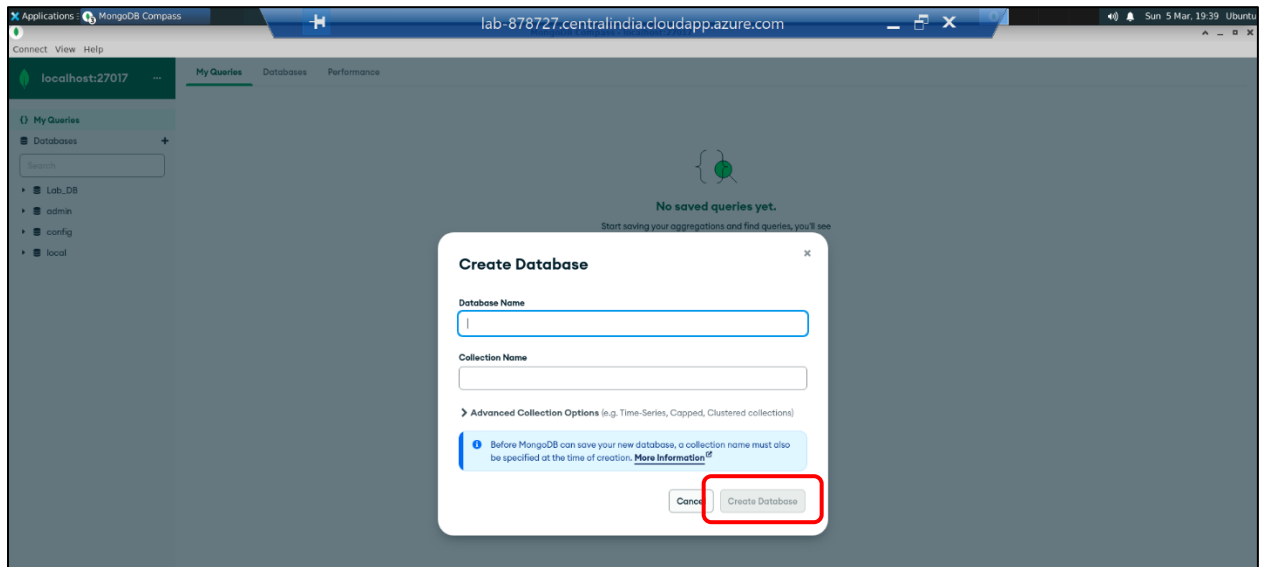1.1 Create a new connection in MongoDB Compass

The connection has been established to the localhost in MongoDB Compass.

Step 2: Create a database in MongoDB Compass

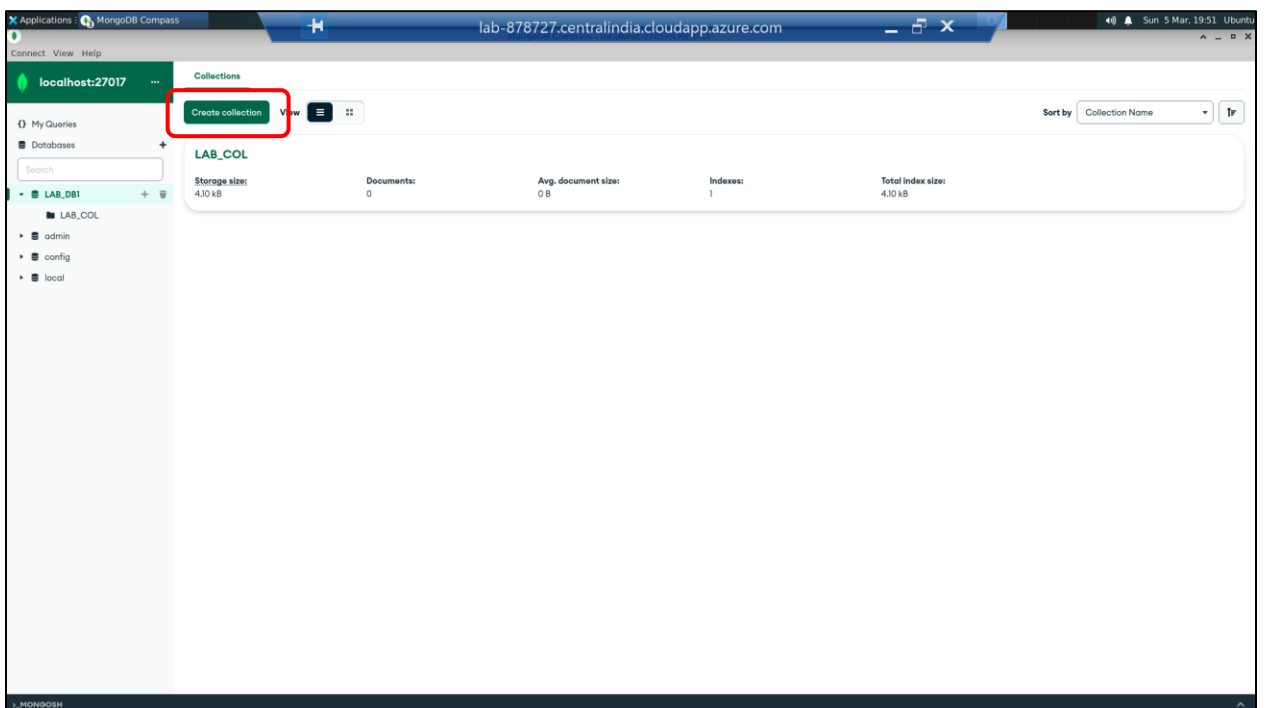2.1 Click on **Create Database** to create a database

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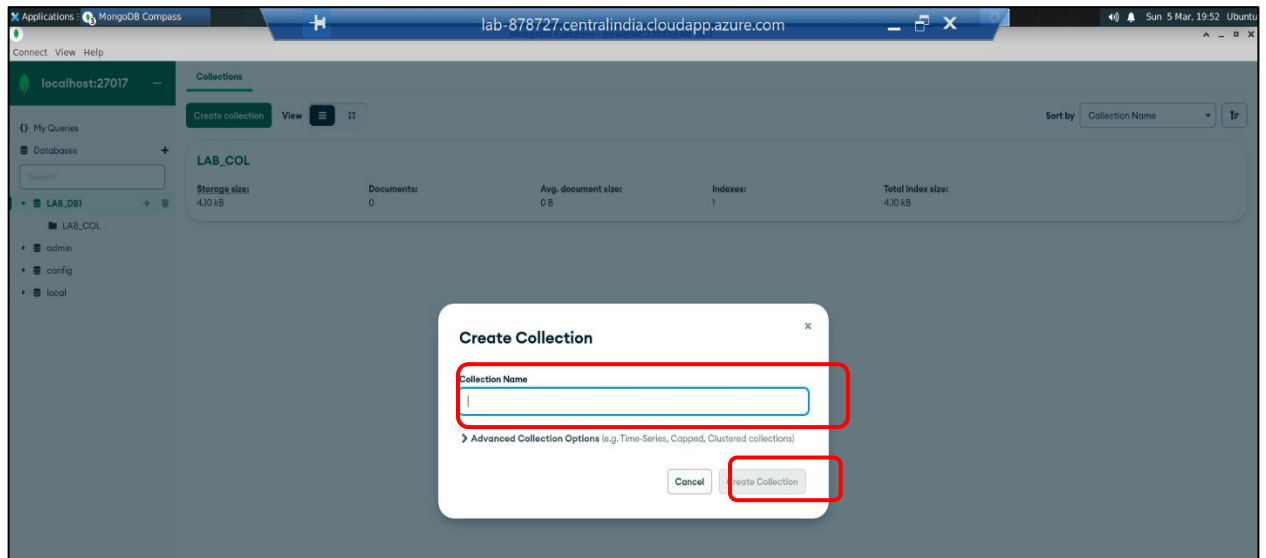

The database is created.
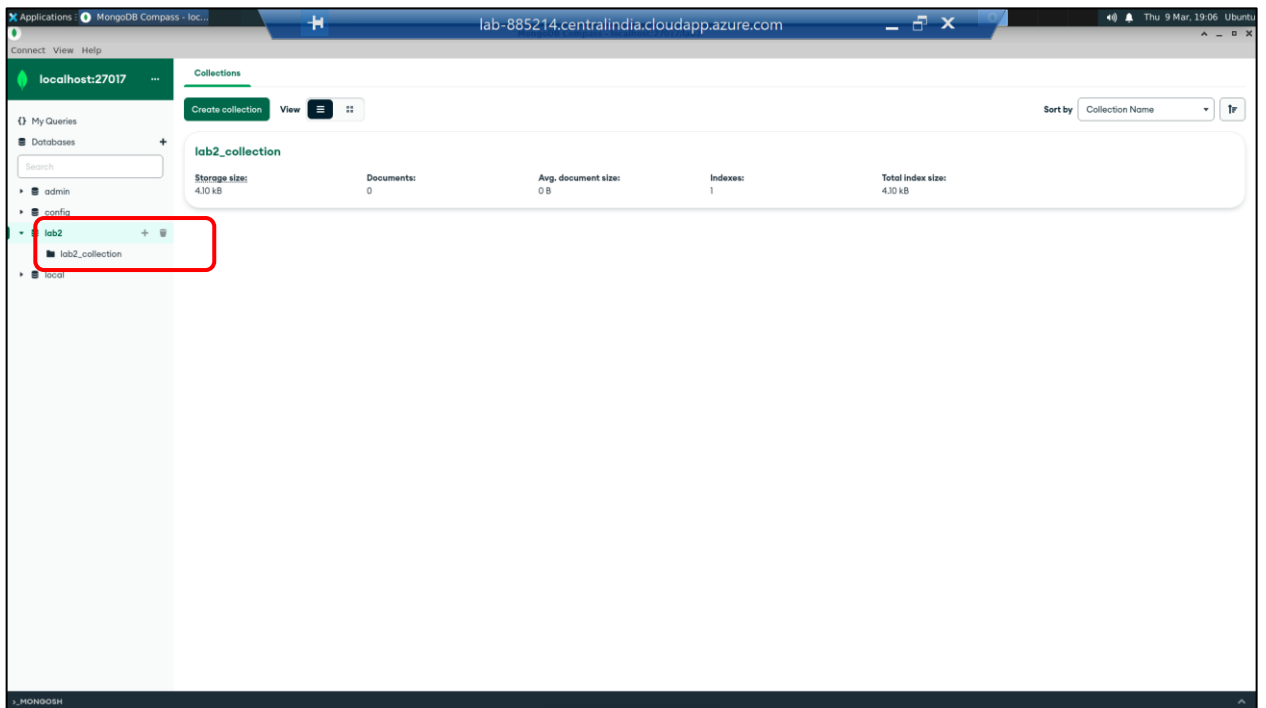

Step 3: Create collections in a database

3.1 Click the **Create collection** button to create a new collection

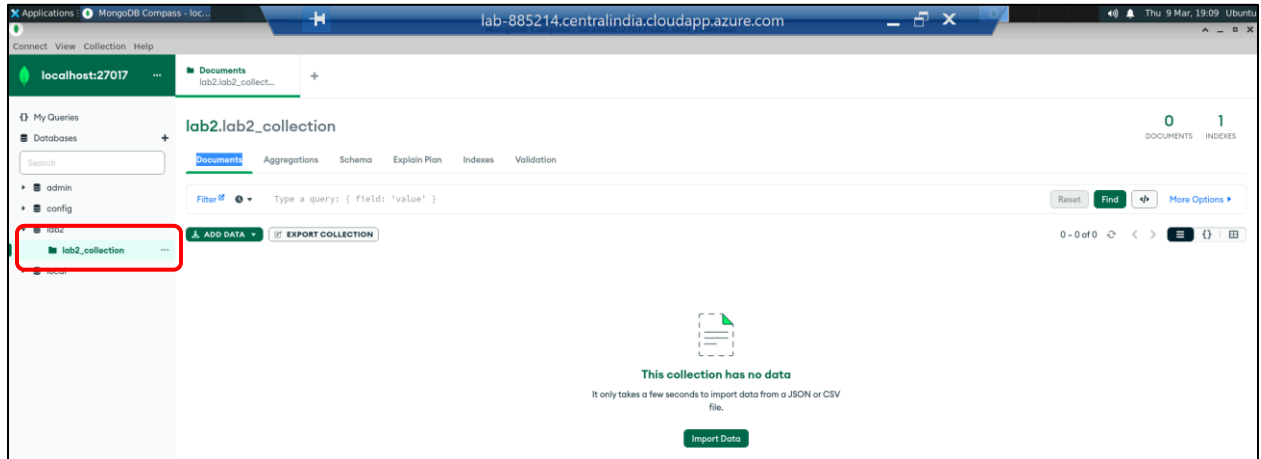3.2 Enter the **Collection Name,** and click on **Create Collection**

The created database and collection are visible on the left pane.

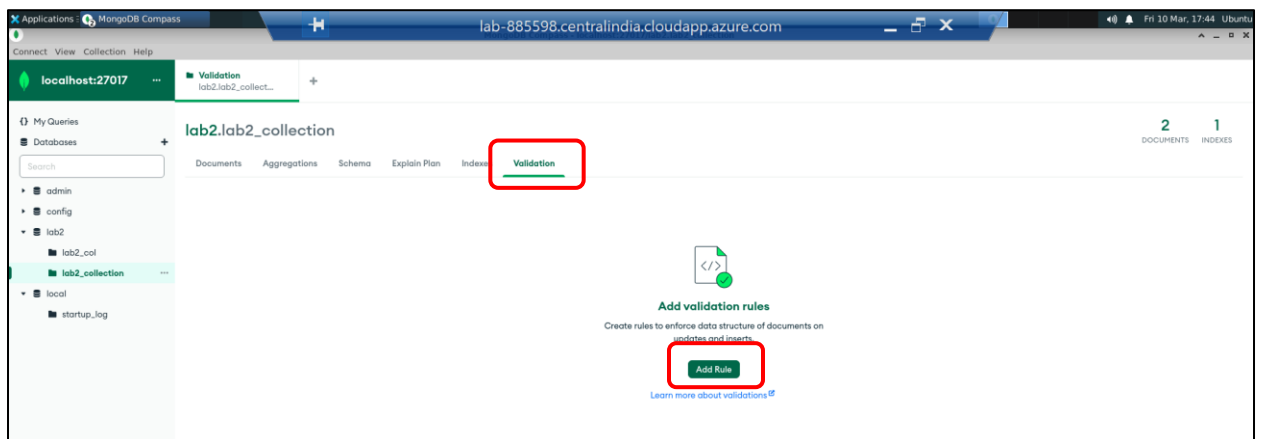## Step 4: Validate the schema guidelines

4.1 Select the collection that contains the desired data

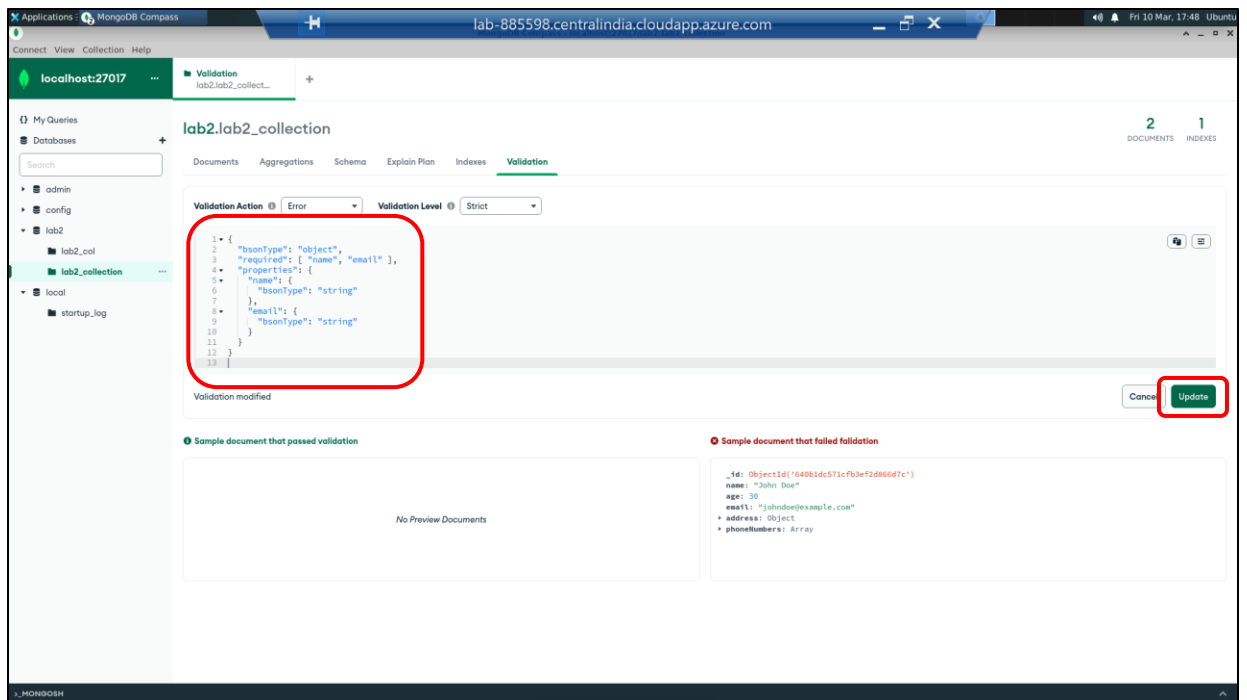4.2 Click on the **Documents** tab

4.3 Now, click on the **Validation** tab and then on **Add Rule**

4.4 Add the validation code and click on **Update**

```
{
    "bsonType": "object",
  "required": [ "name", "email" ] ,
   "properties": {
      "name": {
           "bsonType": "string"
      } ,
      "email": {
           "bsonType": "string"
      }
   }
}
```

By following these steps, you have successfully created a database collection in MongoDB and applied schema guidelines for validation.