

Lesson 04 Demo 02

Accessing Collections Using MongoDB Shell

Objective: To create documents and collections in MongoDB server and access them using the MongoDB shell

Tools required: MongoDB Compass

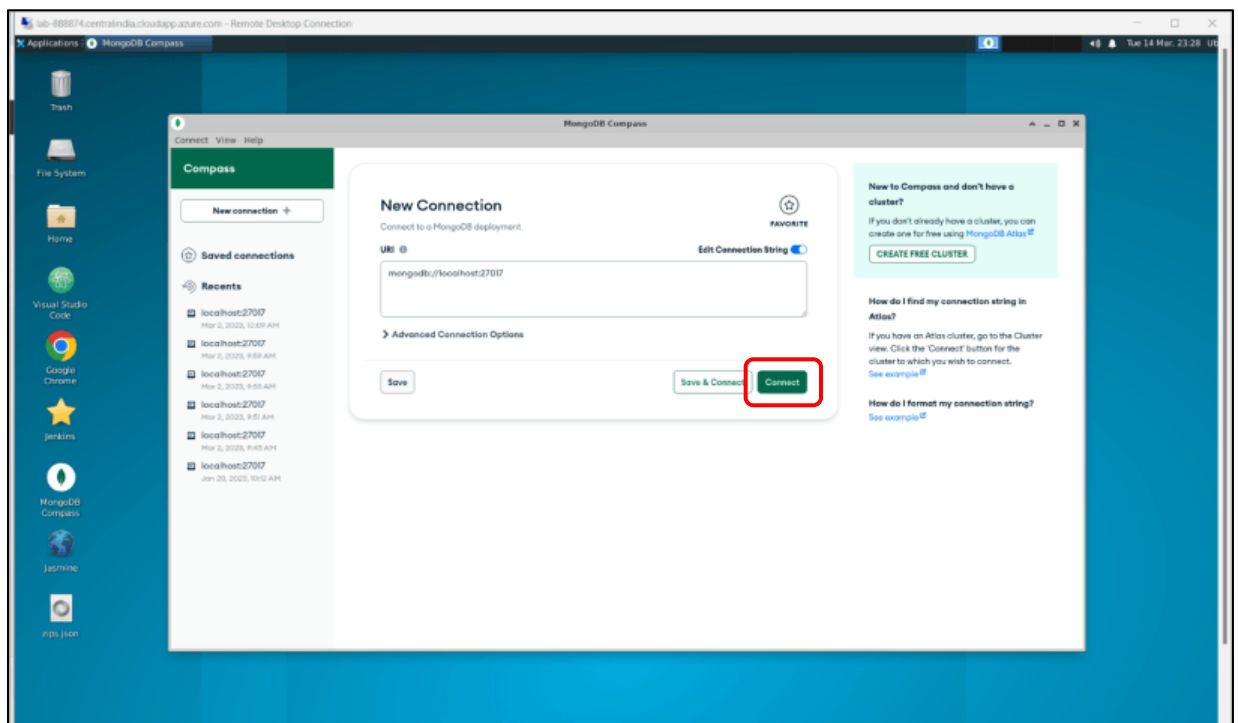
Prerequisites: None

Steps to be followed:

1. Connect to the MongoDB server
2. Create a collection and add a document
3. Access documents using the MongoDB Shell

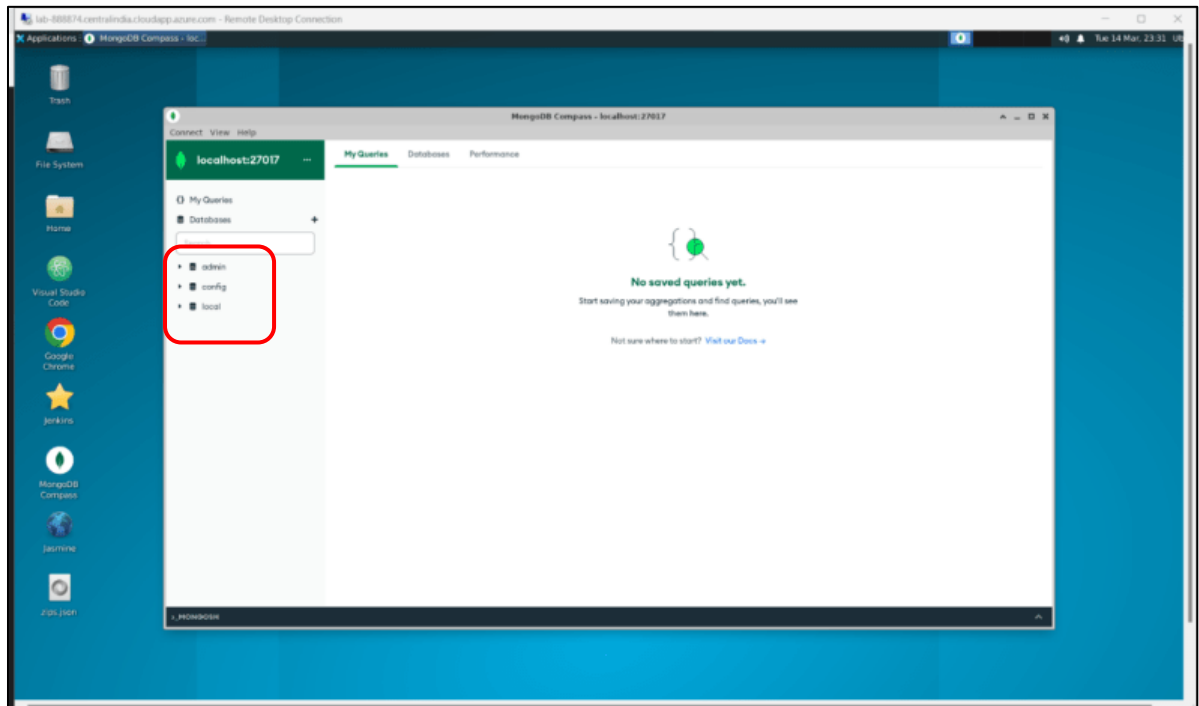
Step 1: Connect to the MongoDB server

1.1 Open MongoDB Compass and connect to a MongoDB server

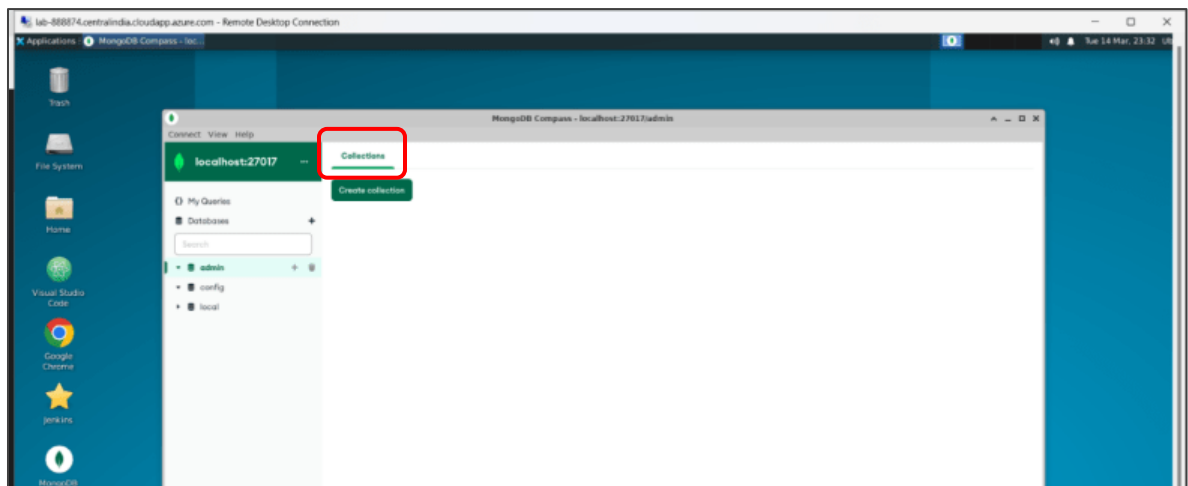


Step 2: Create a collection and add a document

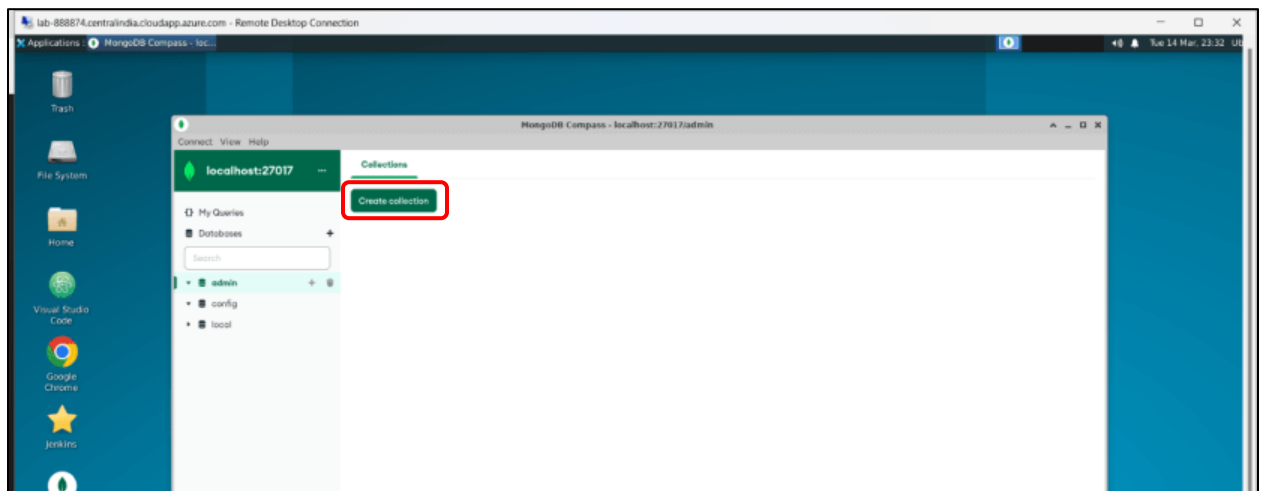
2.1 Once connected, select one of the databases visible on the left side of the screen



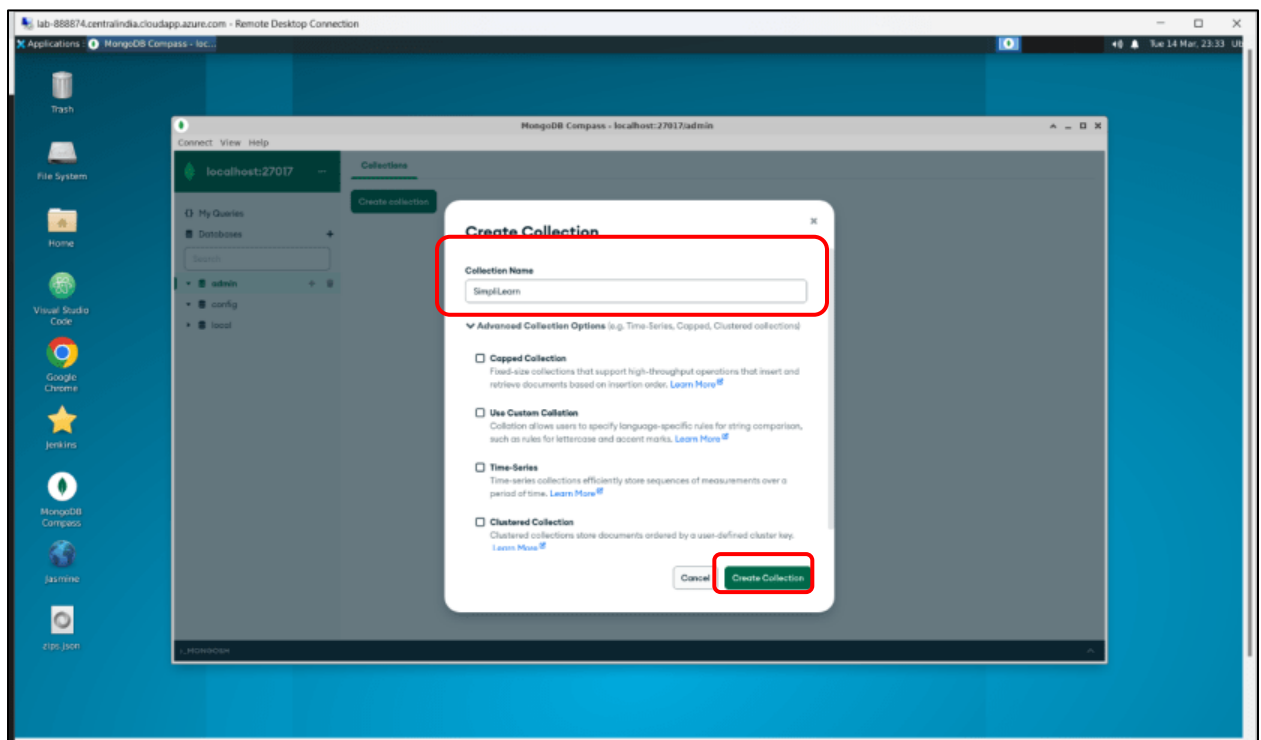
2.2 With the database selected, click on the **Collections** tab to see a list of collections in that database



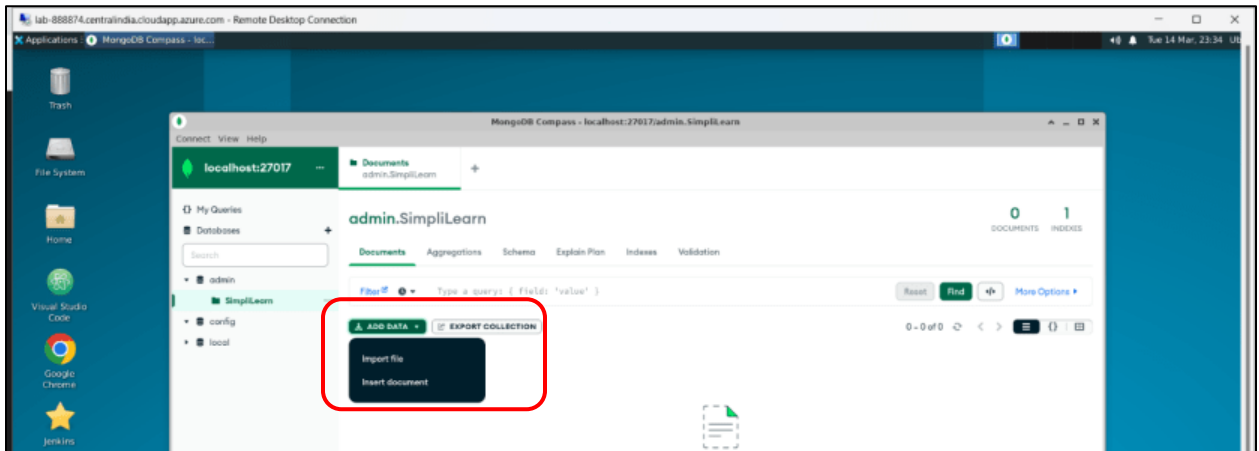
2.3 Click on **Create Collection** to create a new collection



2.4 Enter a name for the collection and any other options to set, then click on **Create Collection**



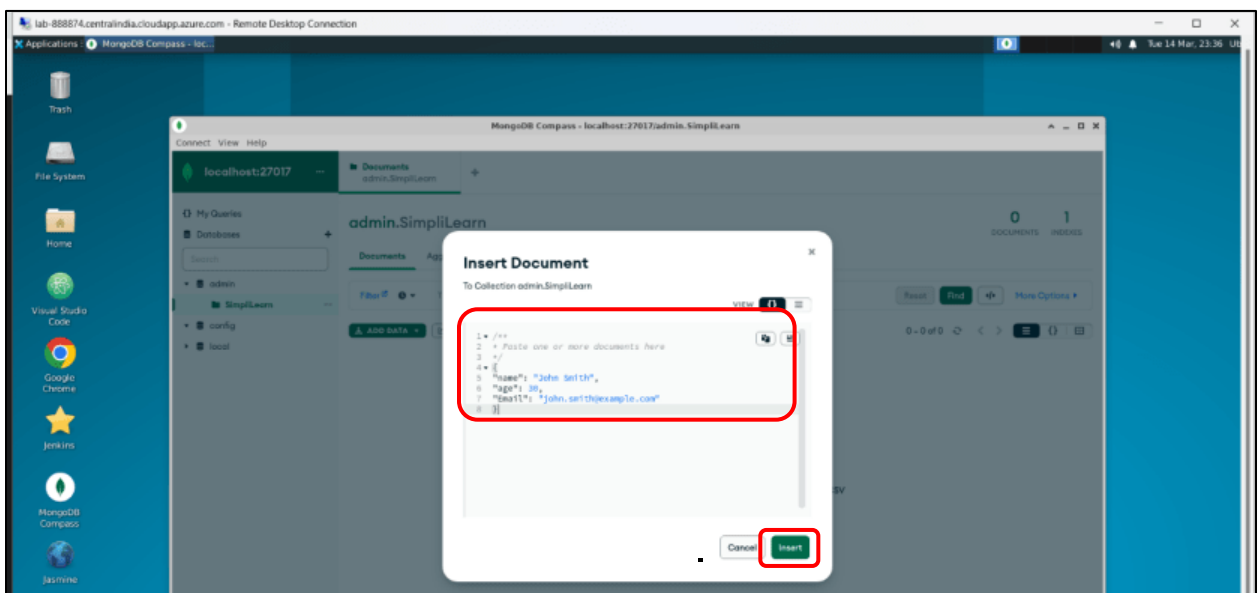
2.5 With the new collection created, click on **Add Data** and then click on **Insert Document** to add a new document to the collection



2.6 Enter some sample data for the document

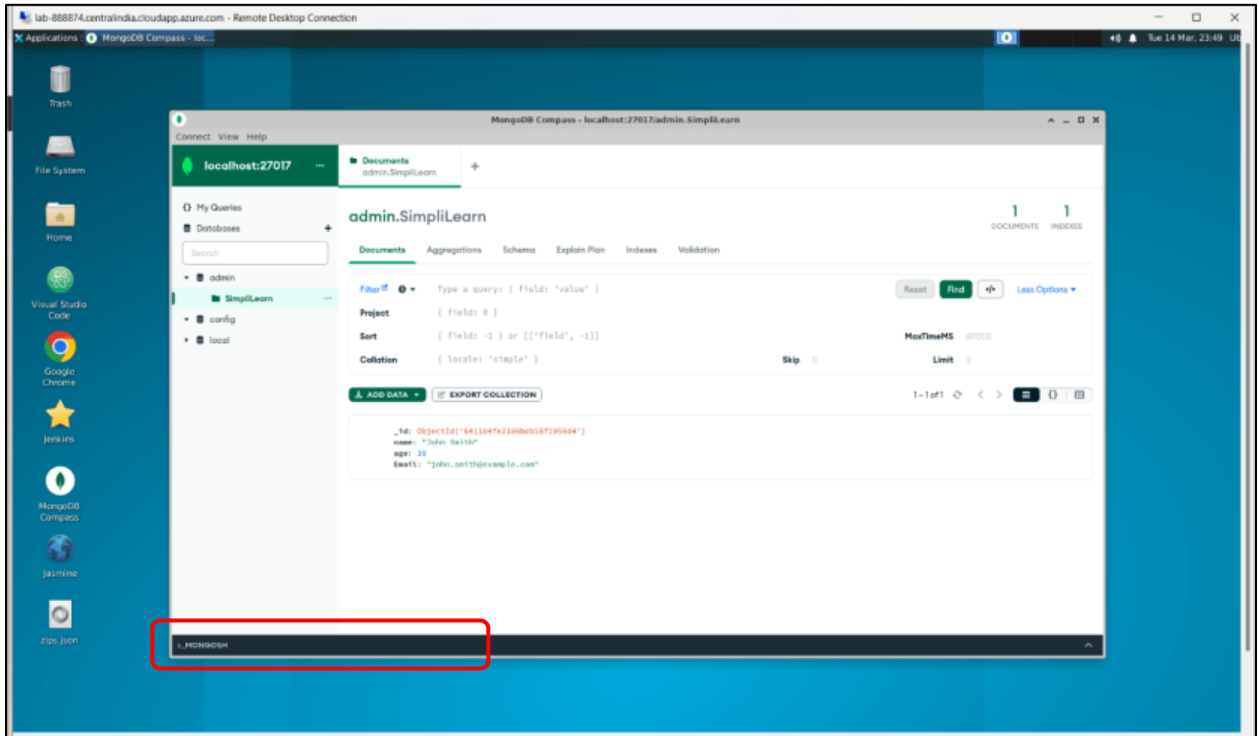
```
{
  "name": "John Smith",
  "age": 30,
  "Email": "john.smith@example.com"
}
```

2.7 Click on **Insert** to add the document to the collection

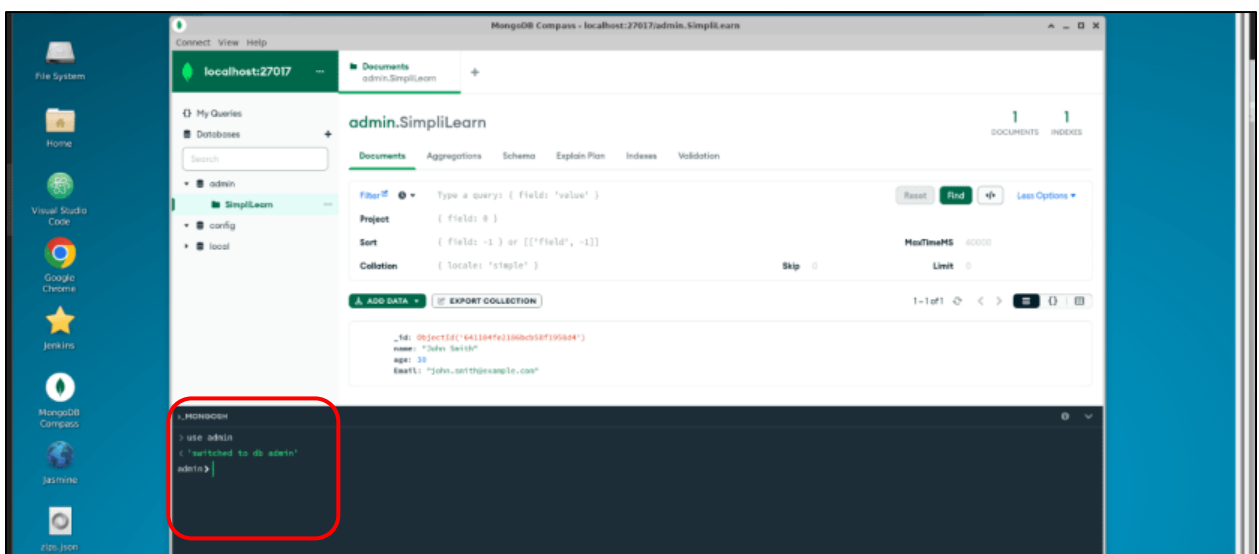


Step 3: Access documents using the MongoDB Shell

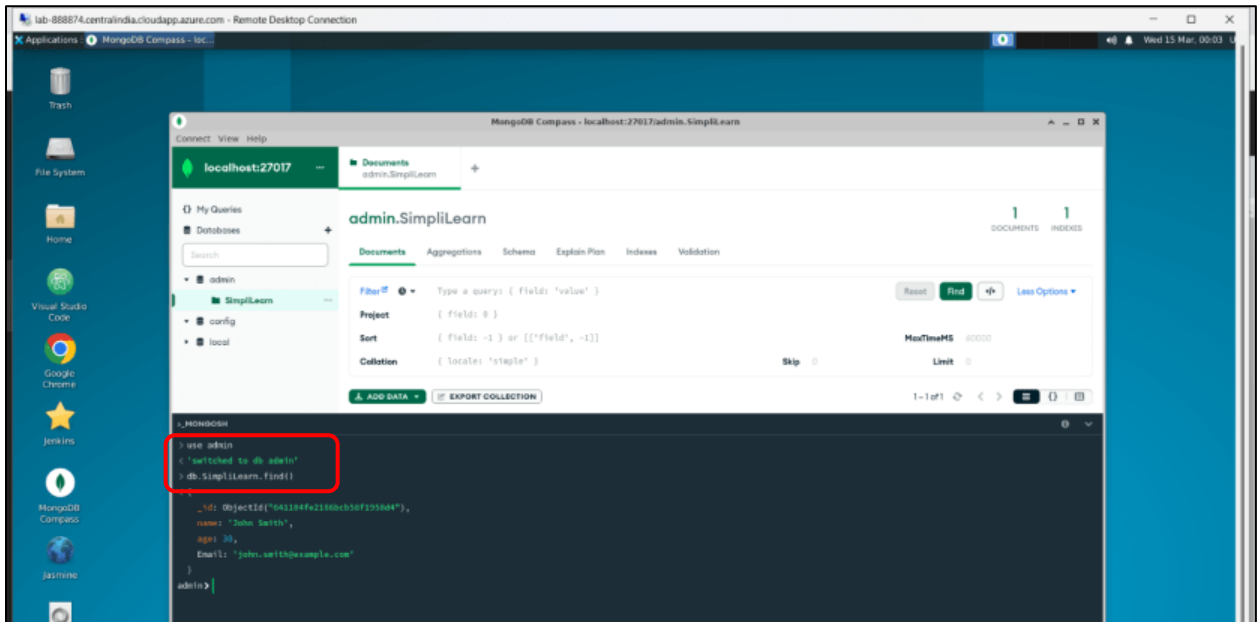
3.1 Click on the **Mongosh** bar at the bottom of the MongoDB compass window



3.2 By default, **Mongosh** is connected to the <test> database. To use a different database, run the **use < database name >** command to select the database created earlier

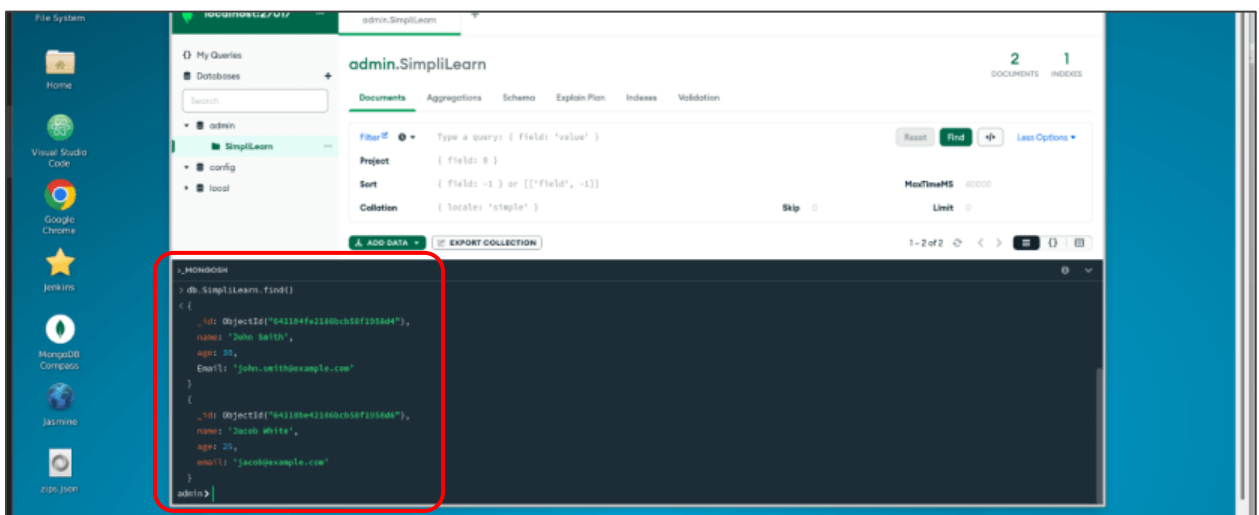


3.3 Next, to see a list of all documents in the collection, use the following command:
db.your_collection_name.find()



3.4 Add another document to the collection by referring to steps 2.5 and 2.6

3.5 To see all the documents in the collection, use the following command:
db.your_collection_name.find()



By following these steps, you have successfully created documents and collections in MongoDB server and accessed them using MongoDB shell.