Assignment-4: Creating a Database Using MongoDB and Mongosh

NAME: PAMANJI VISALAKSHI

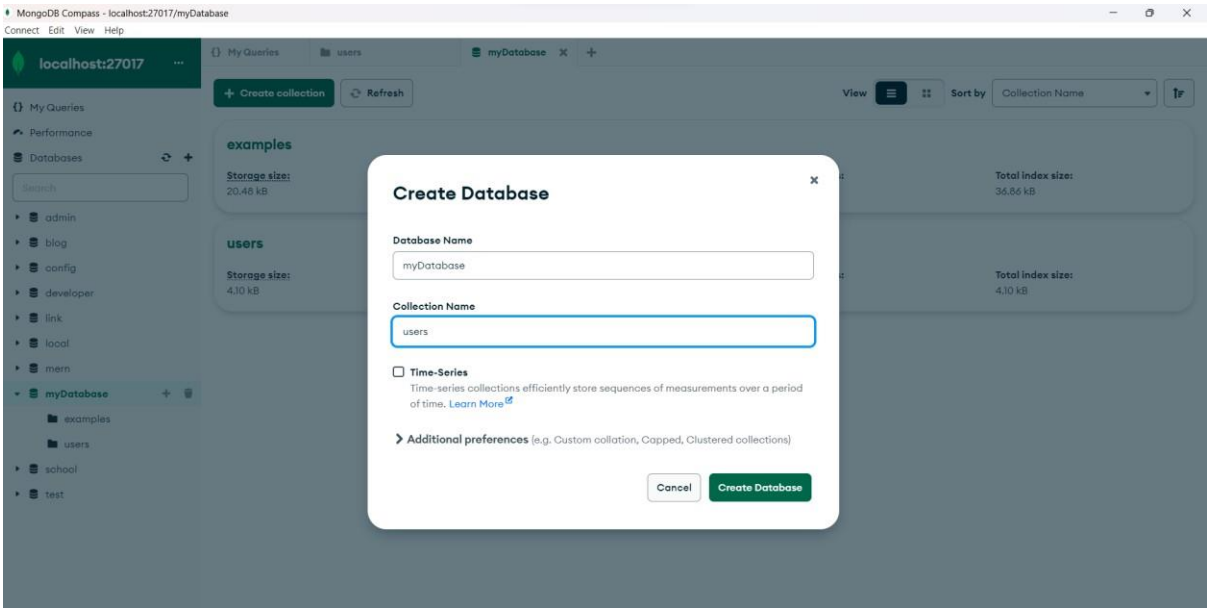
ROLL NUMBER: 2022MCA16069

TASK: creating a database using MongoDB and mongosh

COLLEGE NAME: Sri Padmavati Mahila Visvavidyalayam

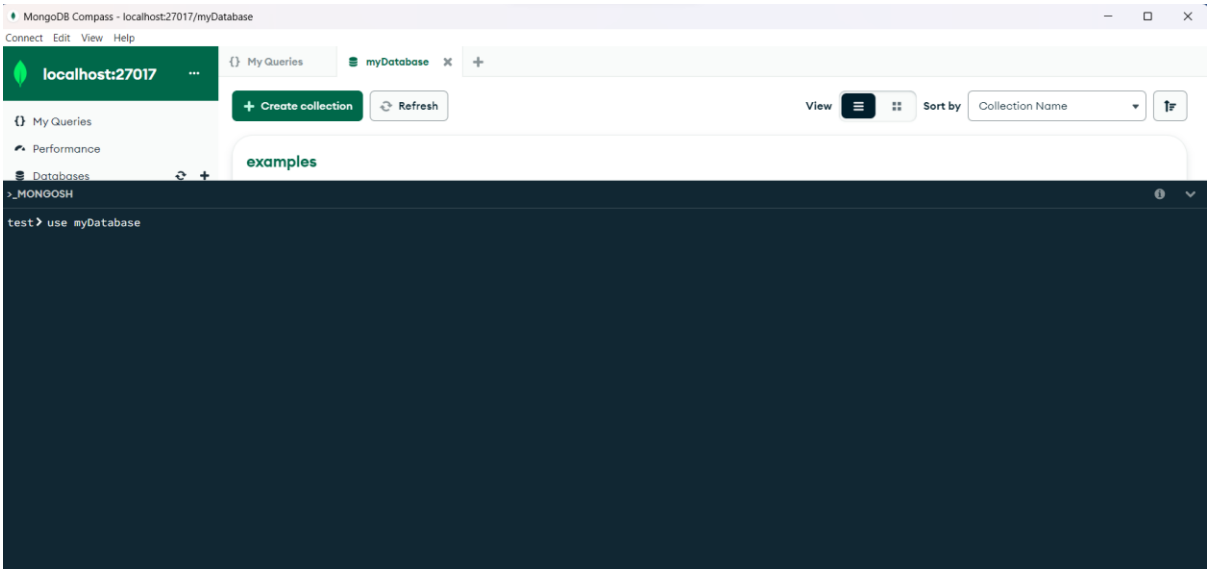
Database Setup: Create a new MongoDB database called ‘myDatabase’.

Collection Creation: Create a collection named users within the myDatabase database.



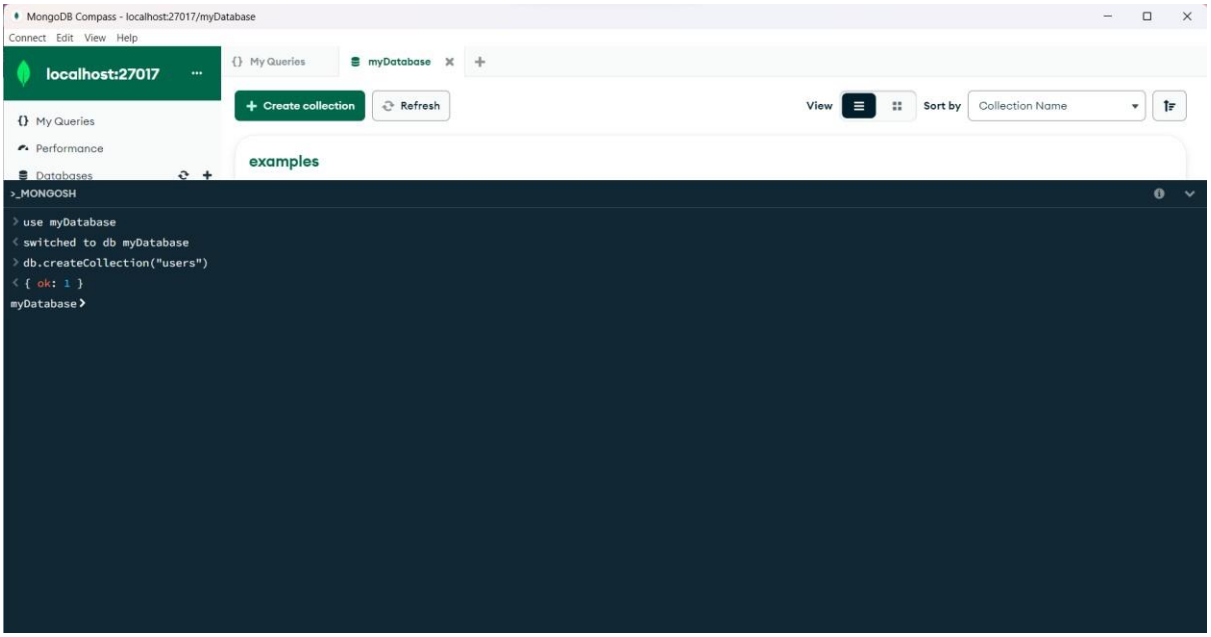
Below are the steps to achieve the tasks using MongoDB commands: **Database setup inMONGOSH:**

use myDatabase

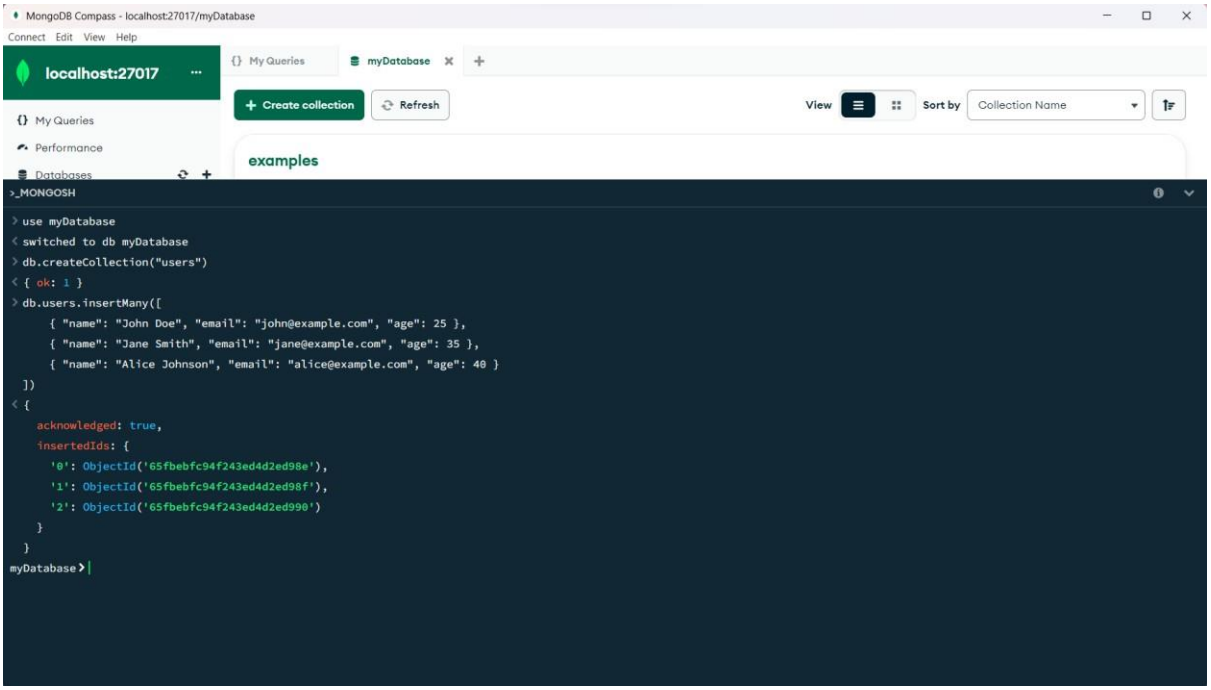


Collection Creation in MONGOSH:

db. createCollection(“users”)

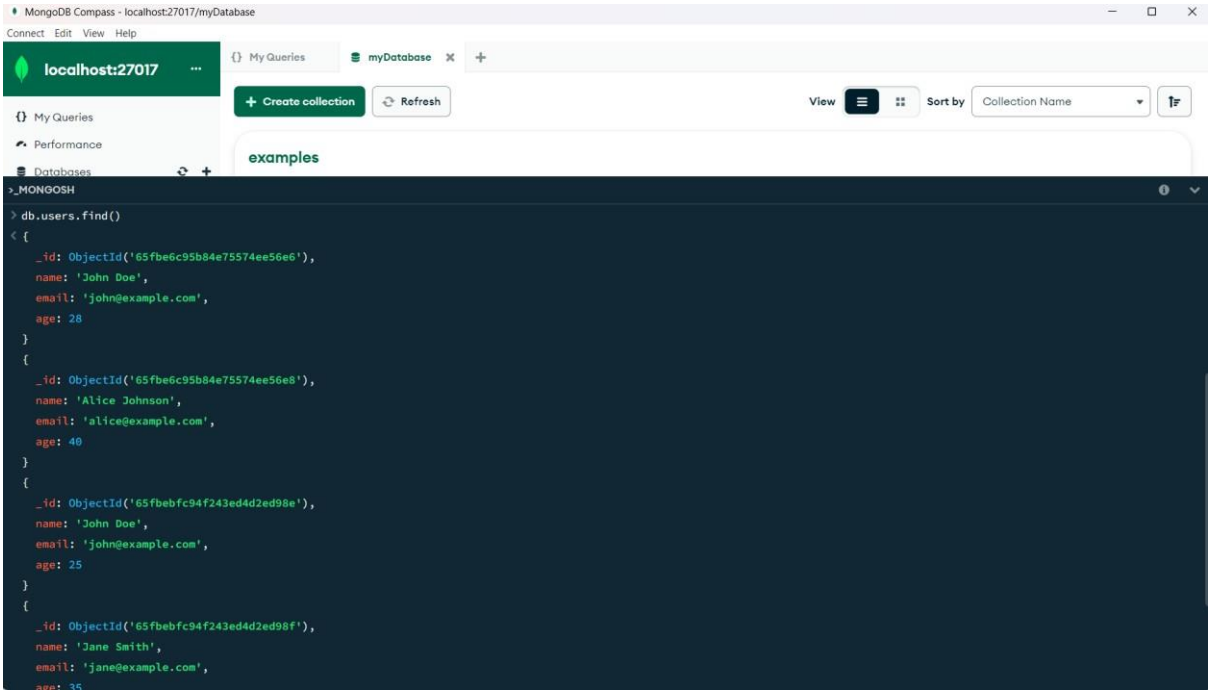


Document Insertion: Insert at least three documents into the users collection, each representing a user with fields such as name, email, and age.

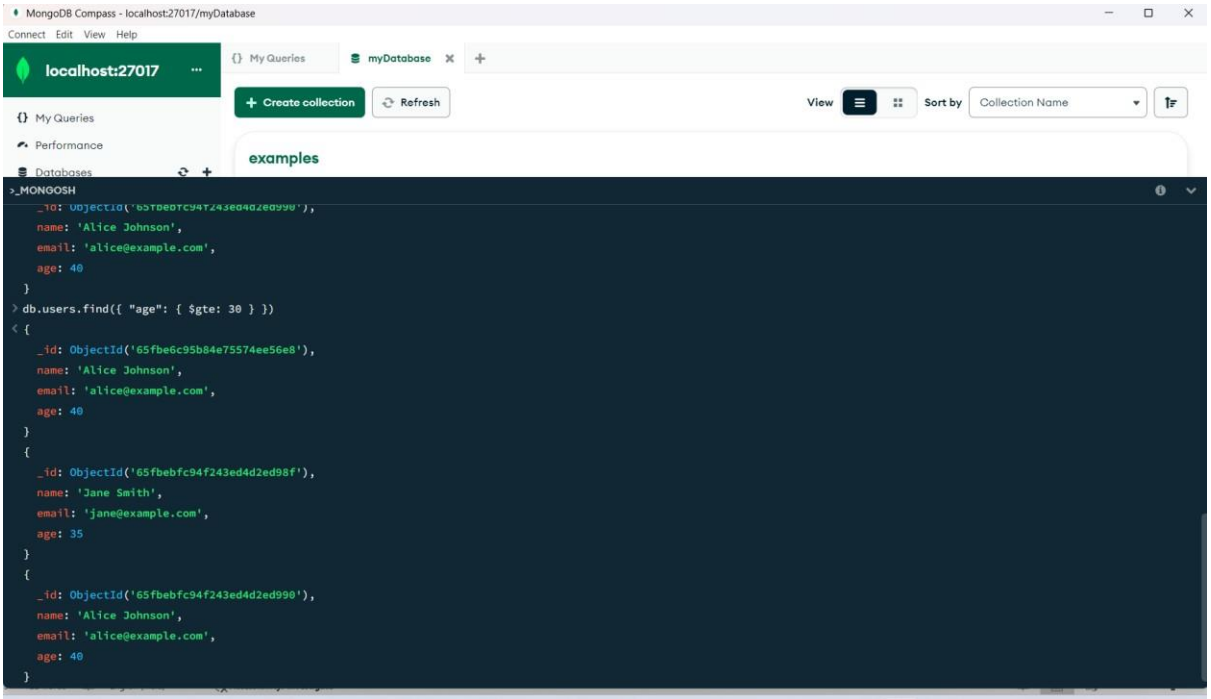


Querying: Write queries to retrieve: All users from the users collection. Users with an age greater than or equal to 30.

All users from the users collection:

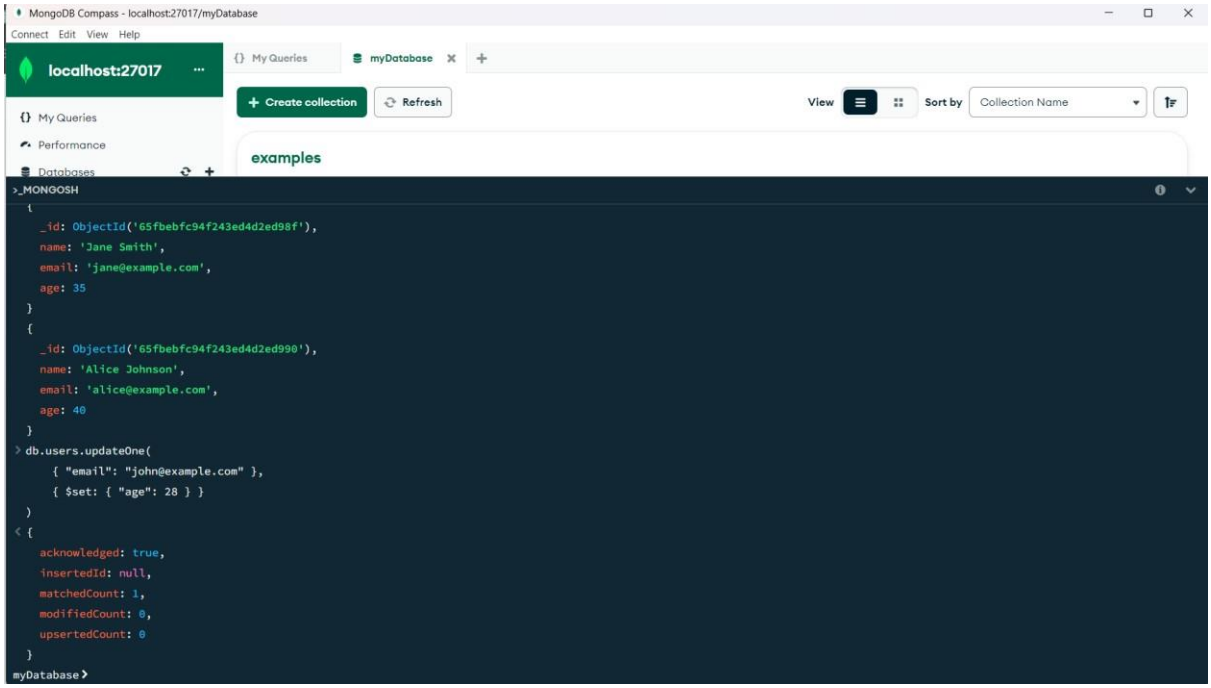


Users with an age greater than or equal to 30:



Update Operation: Update the age of a user with a specific email address.

Update the age of a user with a specific email address (e.g., "john@example.com"):



Deletion Operation: Delete a user document based on a specific email address.

Delete a user document based on a specific email address (e.g., "jane@example.com"):

Index Creation: Create an index on the email field of the users collection.

Create an index on the email field of the users collection: