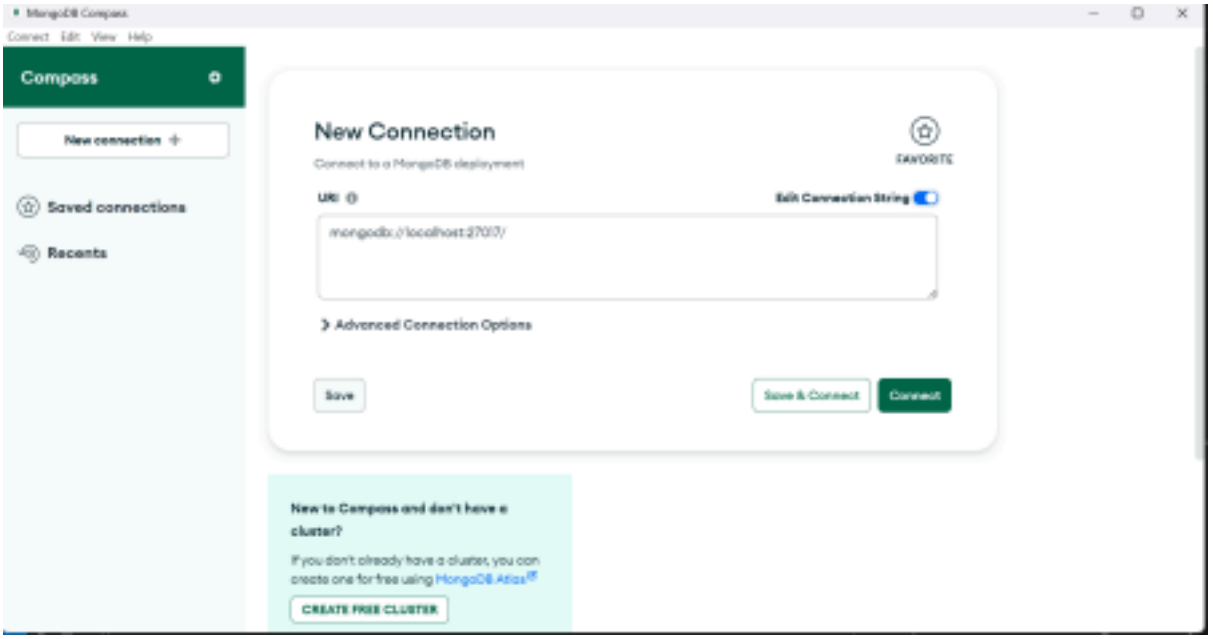
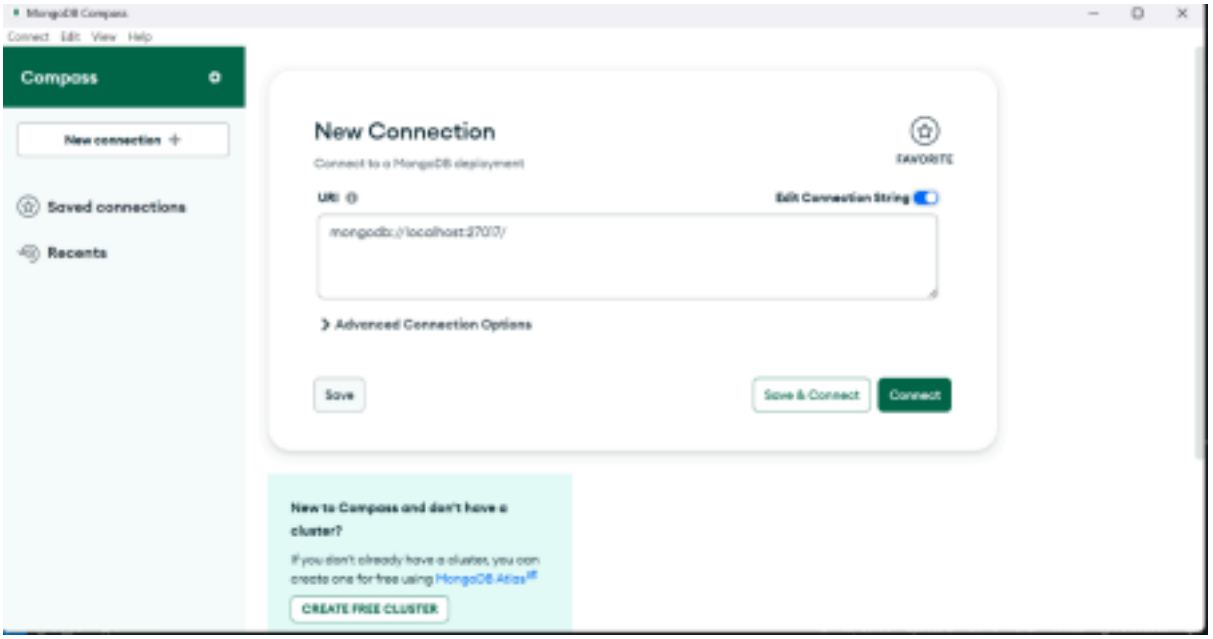
Krishanu Mishra
22IT3020
Web Tech
Lab 9

LAB-10

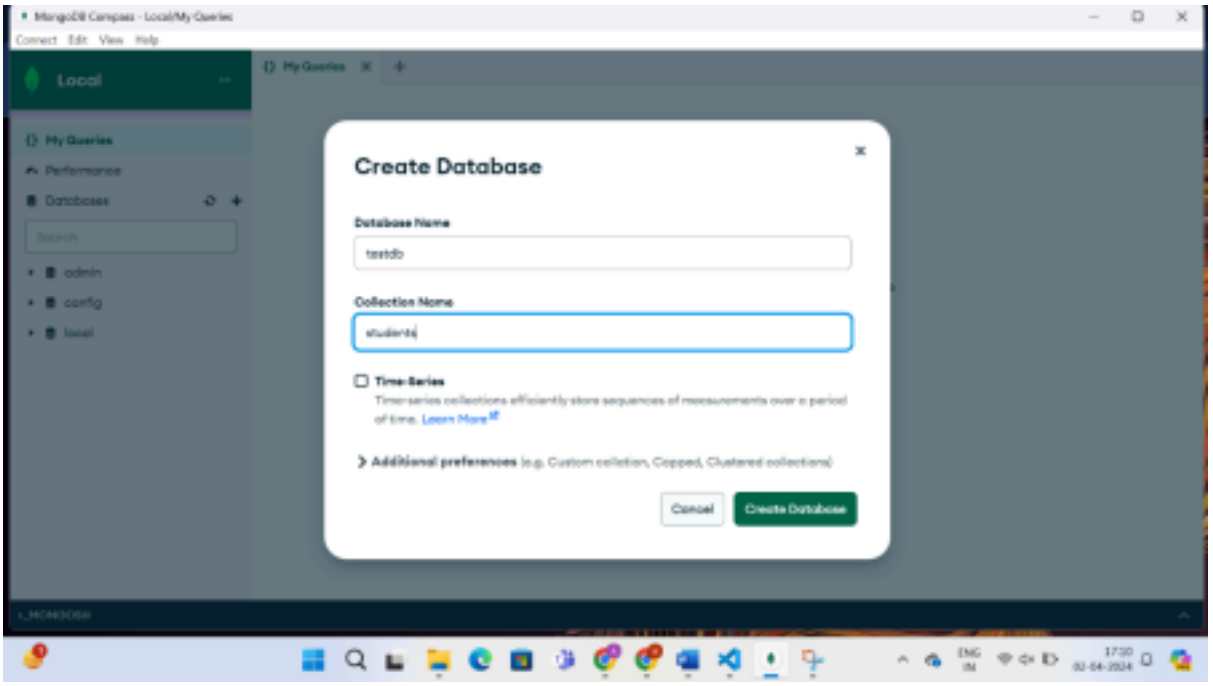
Connect to a MongoDB server using MongoDB Compass.



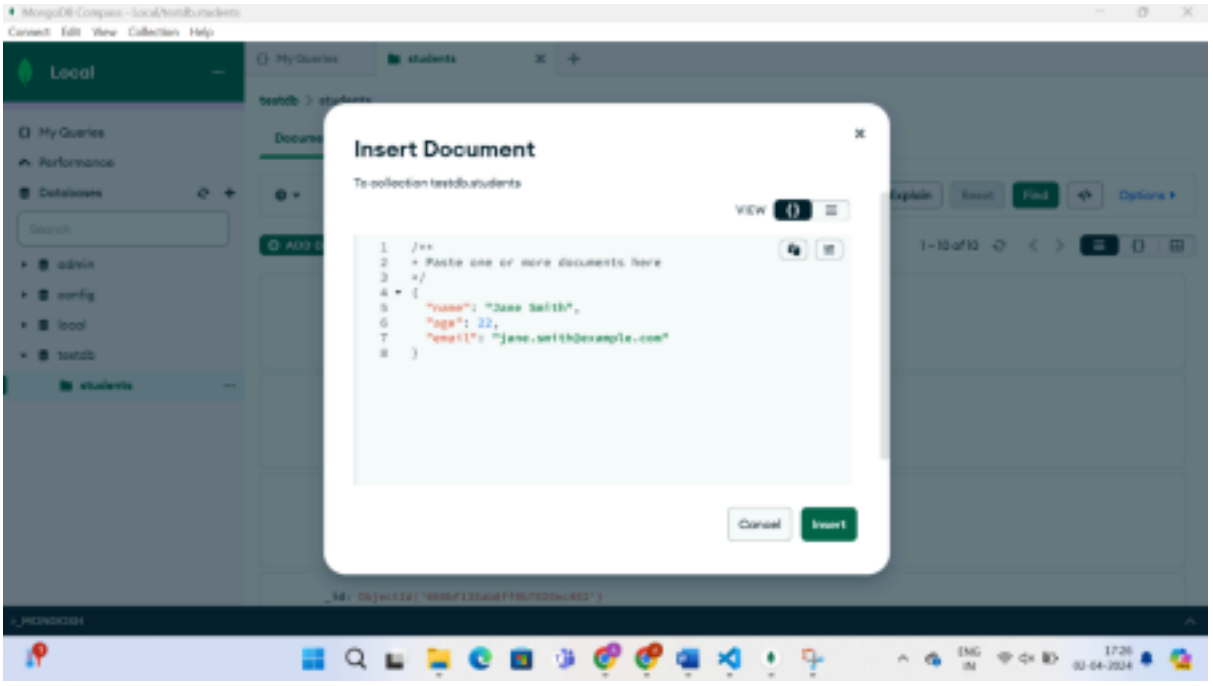
Create a new database named "testdb" in MongoDB Compass.



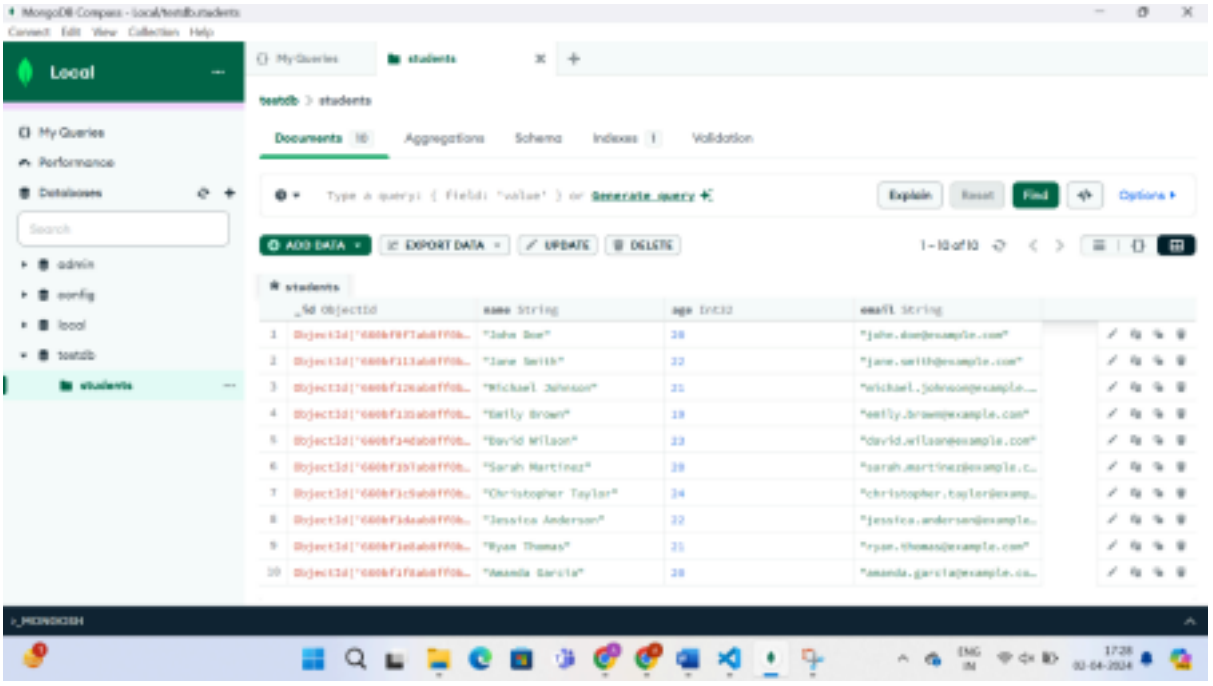
Create a new collection named "students" in the "testdb" database.



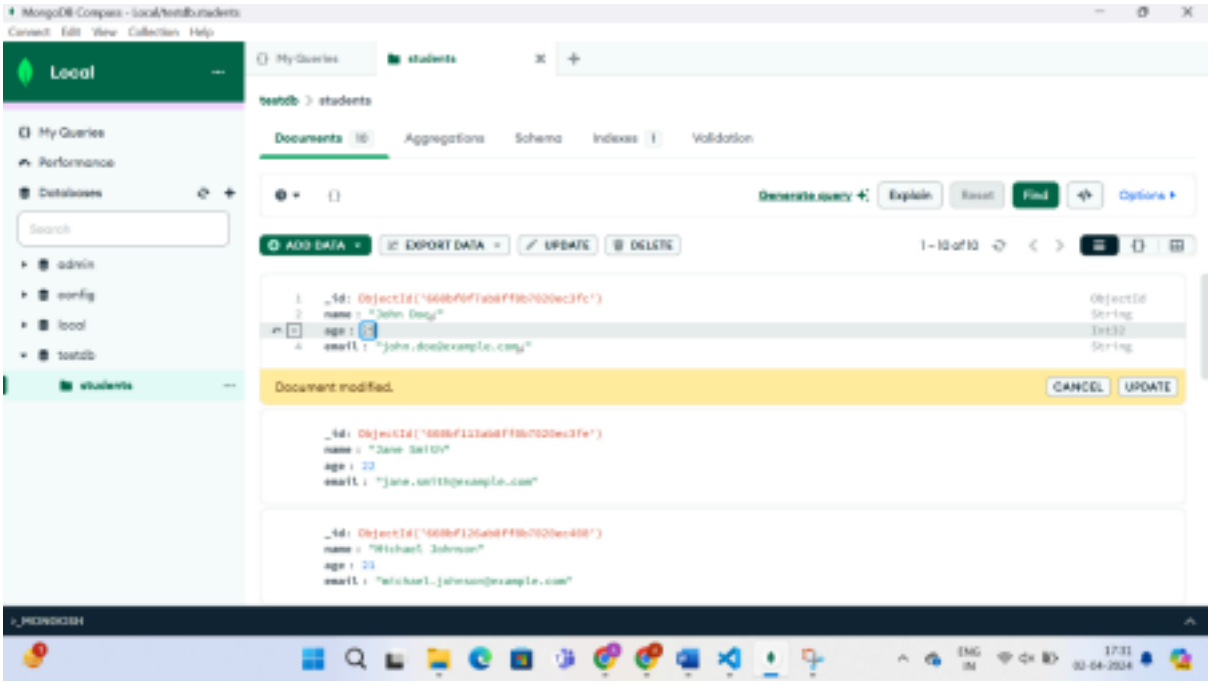
Insert ten documents into the "students" collection with the following fields: name, age, and email.



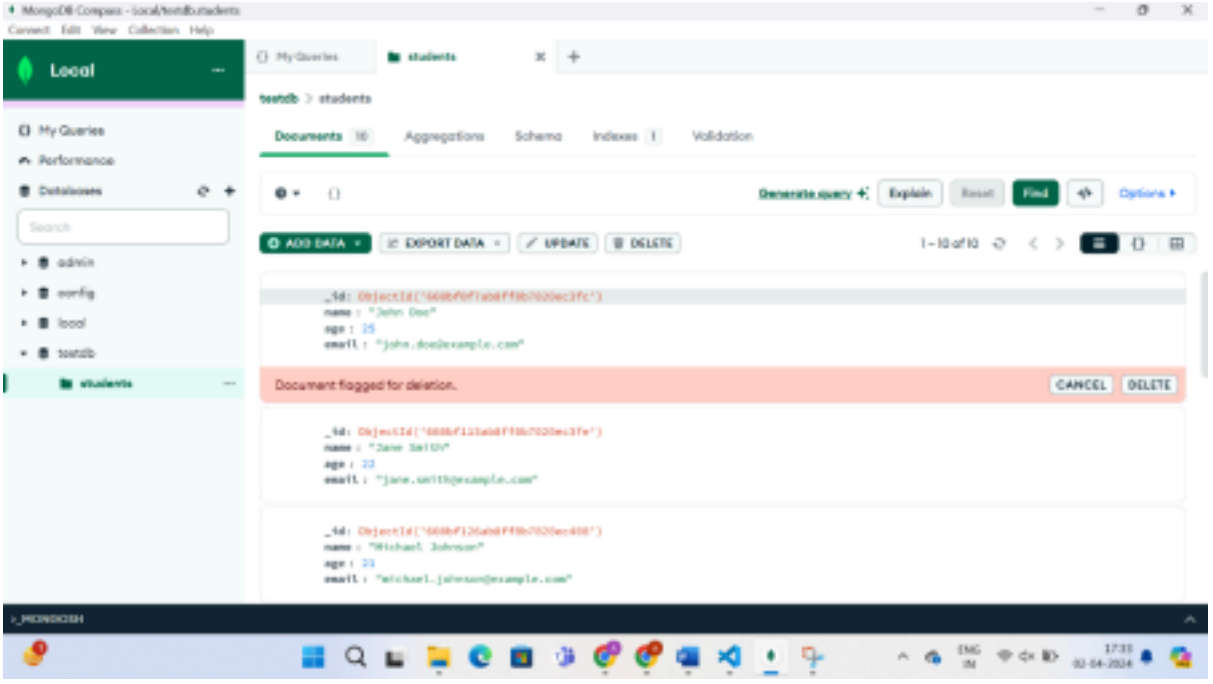
View the contents of the "students" collection.



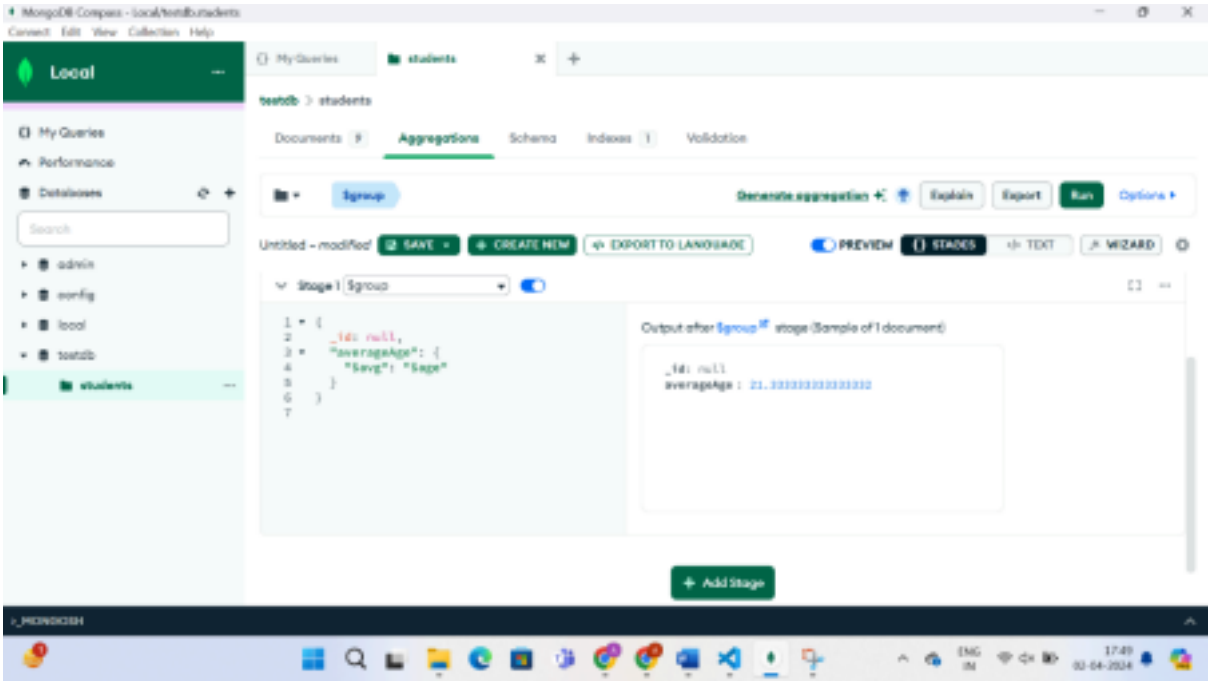
Update the age of a specific student in the "students" collection.



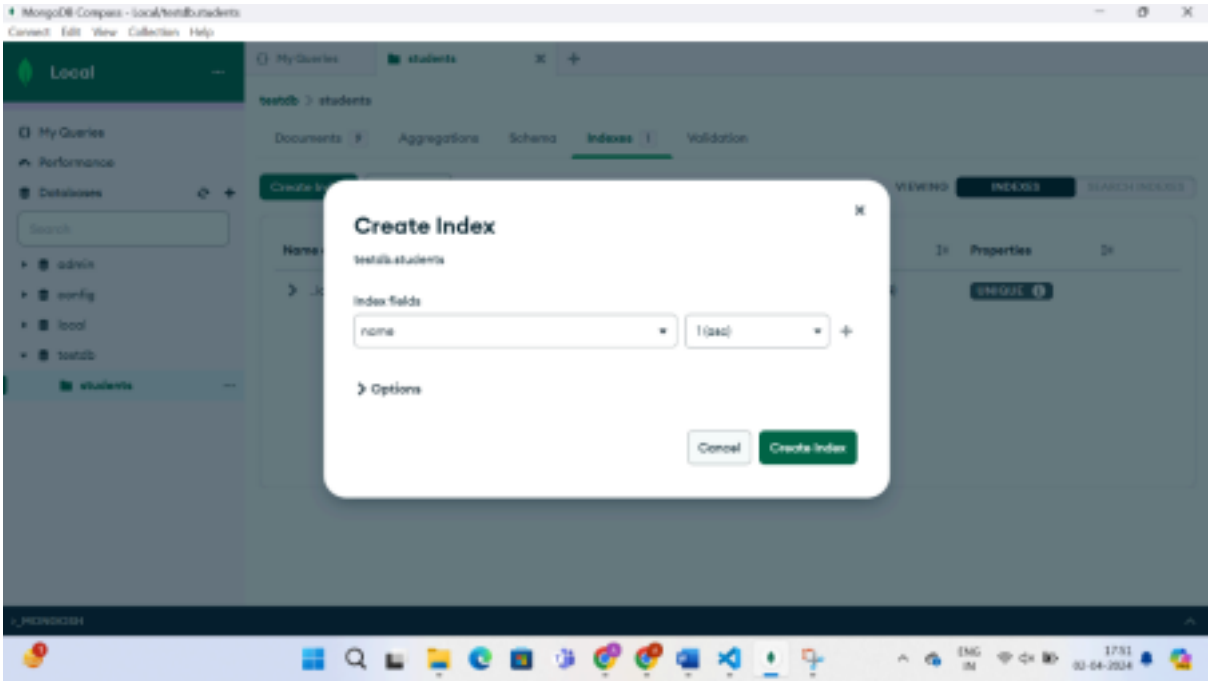
Delete a document from the "students" collection based on a specific condition.



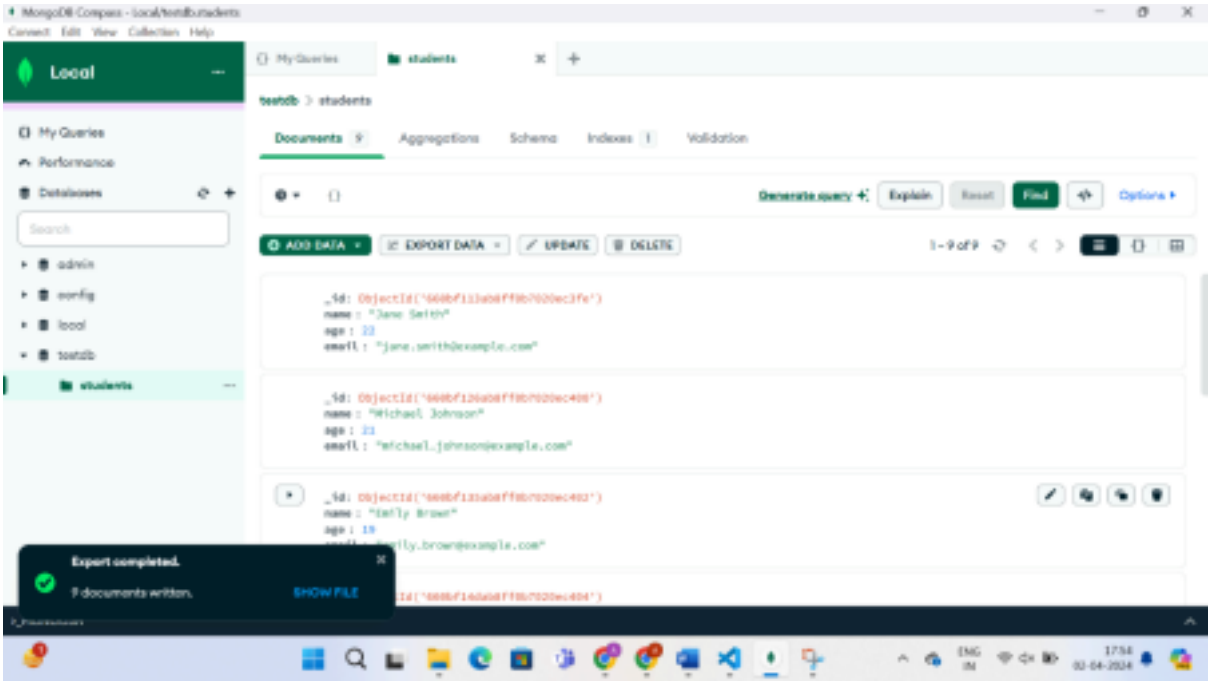
Use the aggregation pipeline to calculate the average age of all students in the"students" collection.



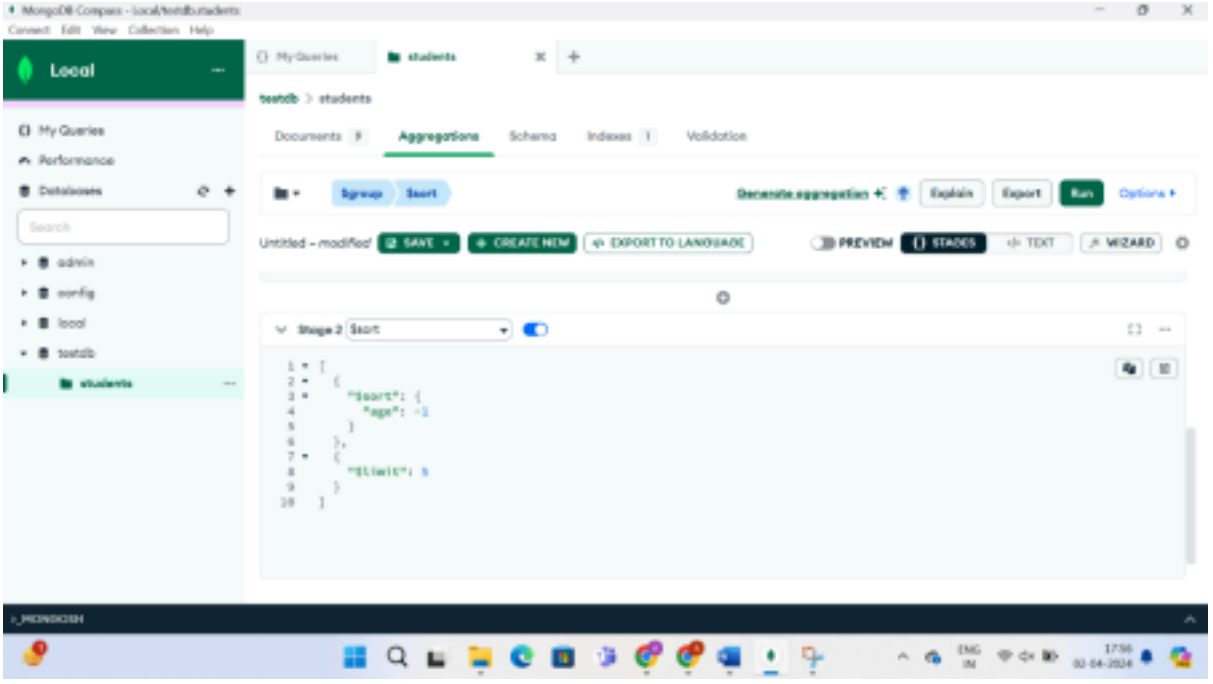
Create an index on the "name" field in the "students" collection.



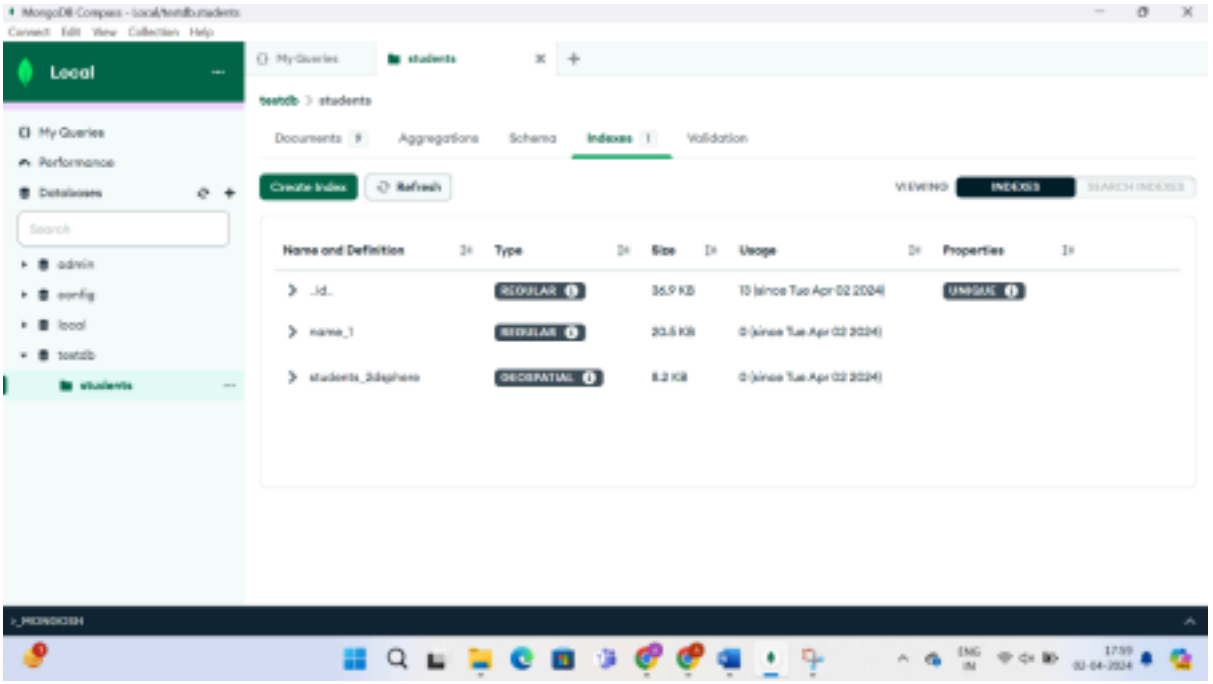
Export the contents of the "students" collection to a JSON file.



Perform a complex aggregation operation to find the top 5 oldest students in the "students" collection.



Create a geospatial index on a field representing the location of students.


MongoDB Compass - local/testdb/students
Connect Edit View Collection Help
Local
My Queries
Performance
Databases
Search
admin
config
local
testdb
students
My Queries
students
testdb > students
Documents 9
Aggregations
Schema
Indexes 1
Validation
Create Index
Refresh
VIEWING
INDEXES
SEARCH INDEXES
Name and Definition
Type
Size
Usage
Properties
_id_
REGULAR
36.9 KB
10 (since Tue Apr 02 2024)
UNIQUE
name_1
REGULAR
20.5 KB
0 (since Tue Apr 02 2024)
students_2dsphere
GEOSPATIAL
8.2 KB
0 (since Tue Apr 02 2024)
>_MONGOSH