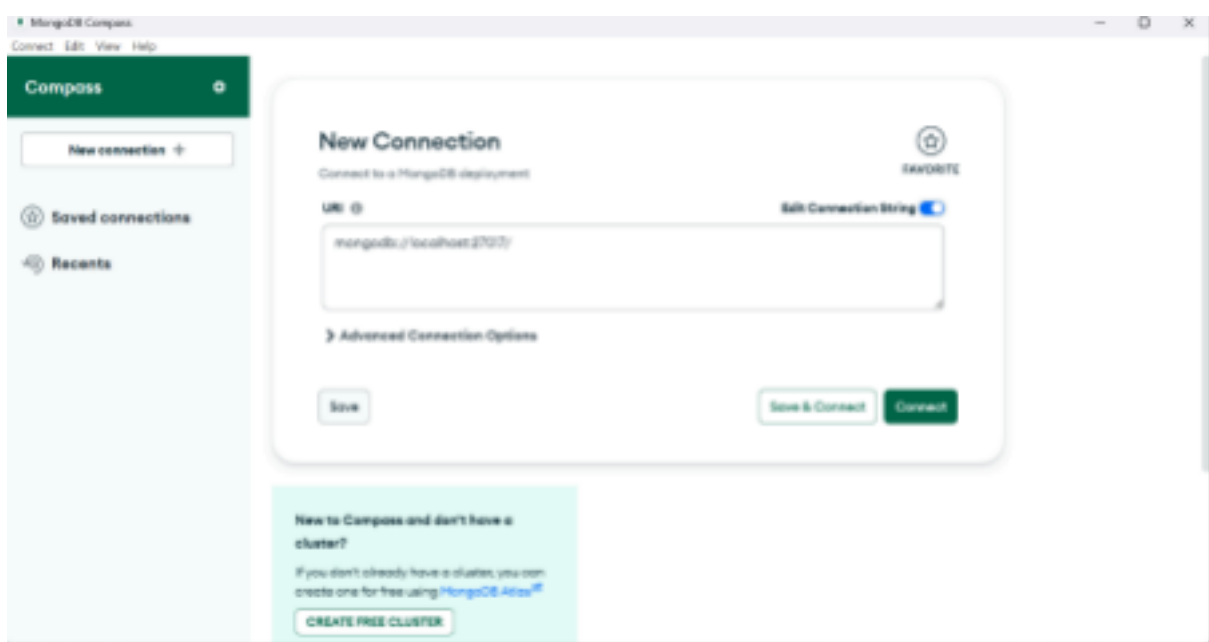


## **LAB-10**

### **Connect to a MongoDB server using MongoDB Compass.**

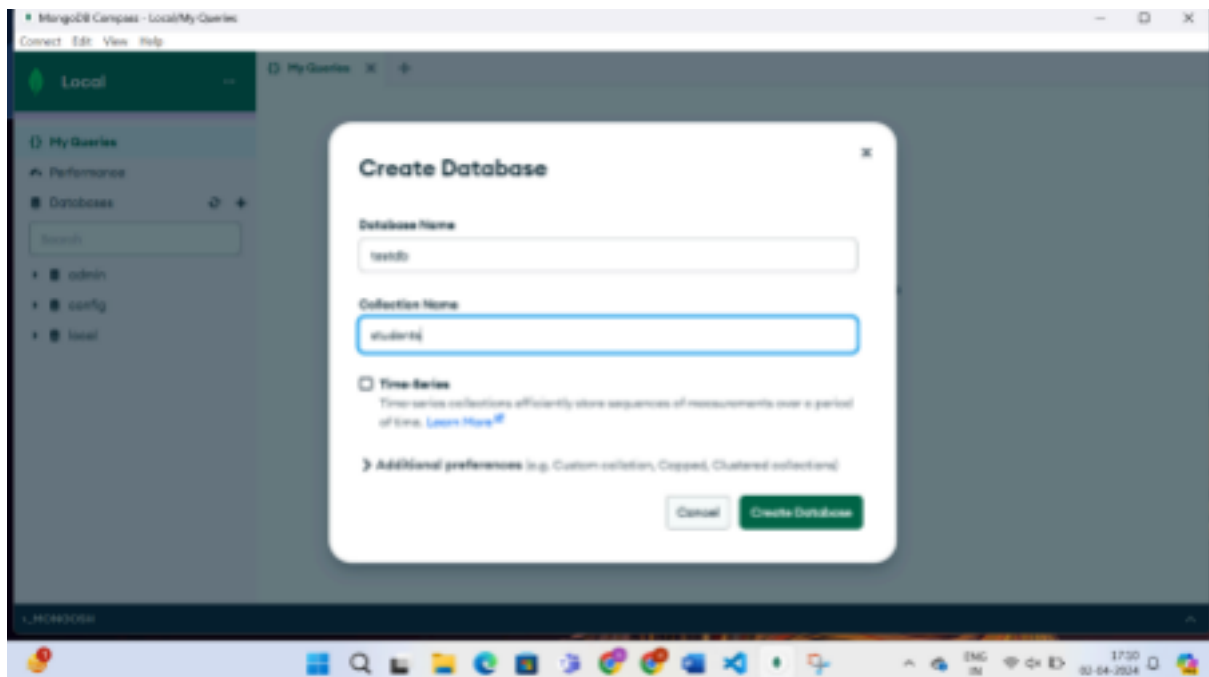


### **Create a new database named "testdb" in MongoDB Compass.**

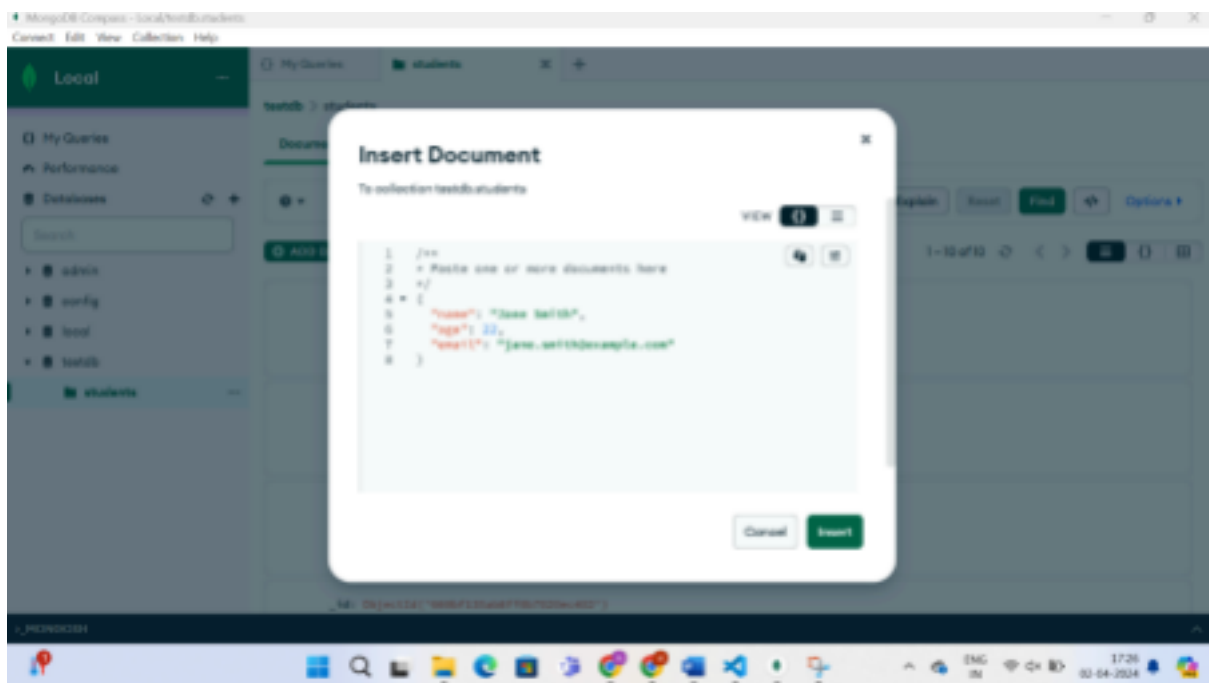


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**LAB : 10**

**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.**

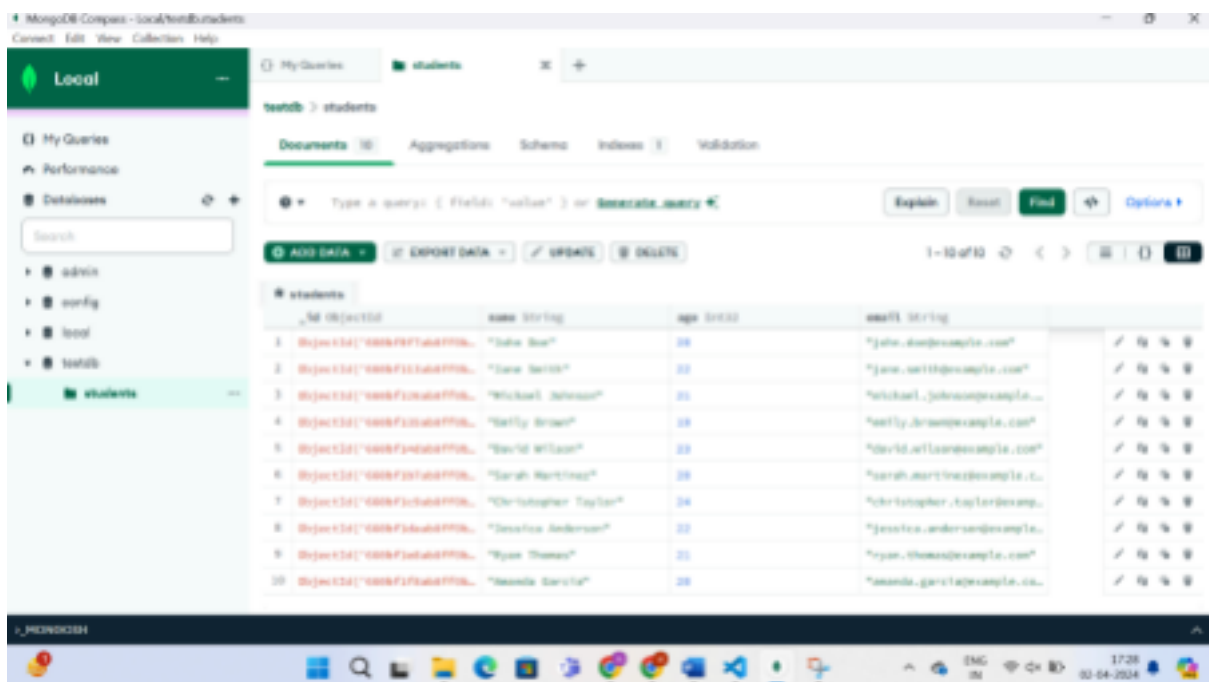


View the contents of the "students" collection.

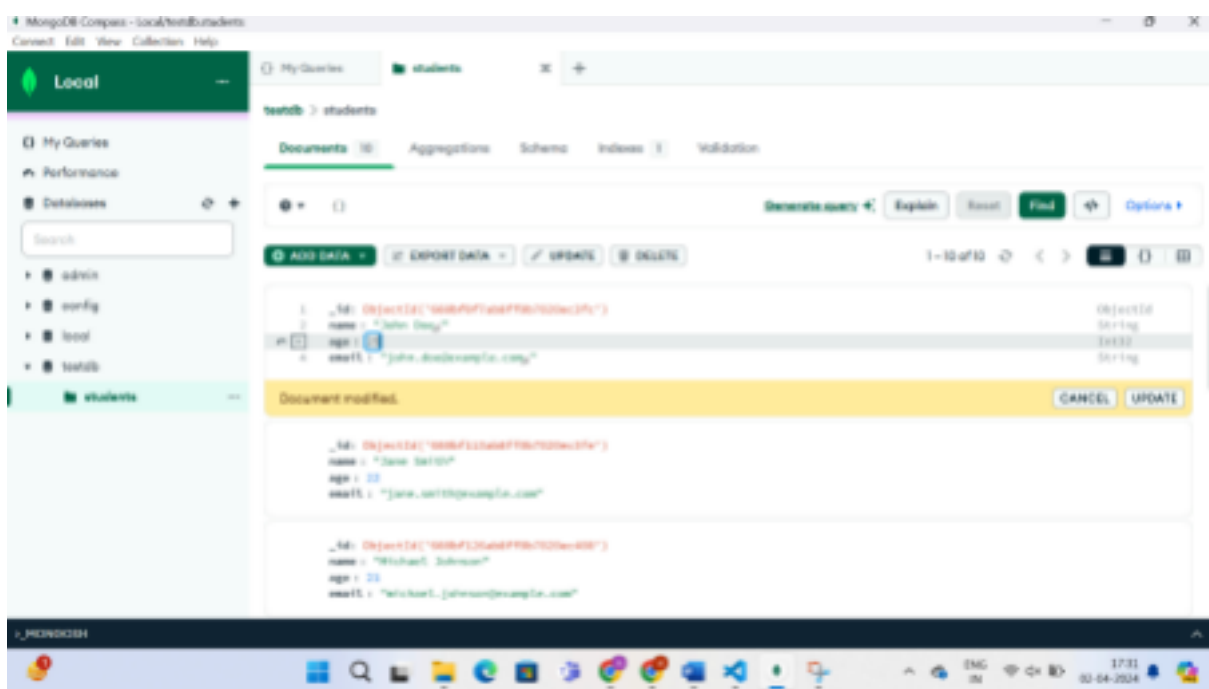
**ISHUMAN**

**22IT3017**

**LAB : 10**

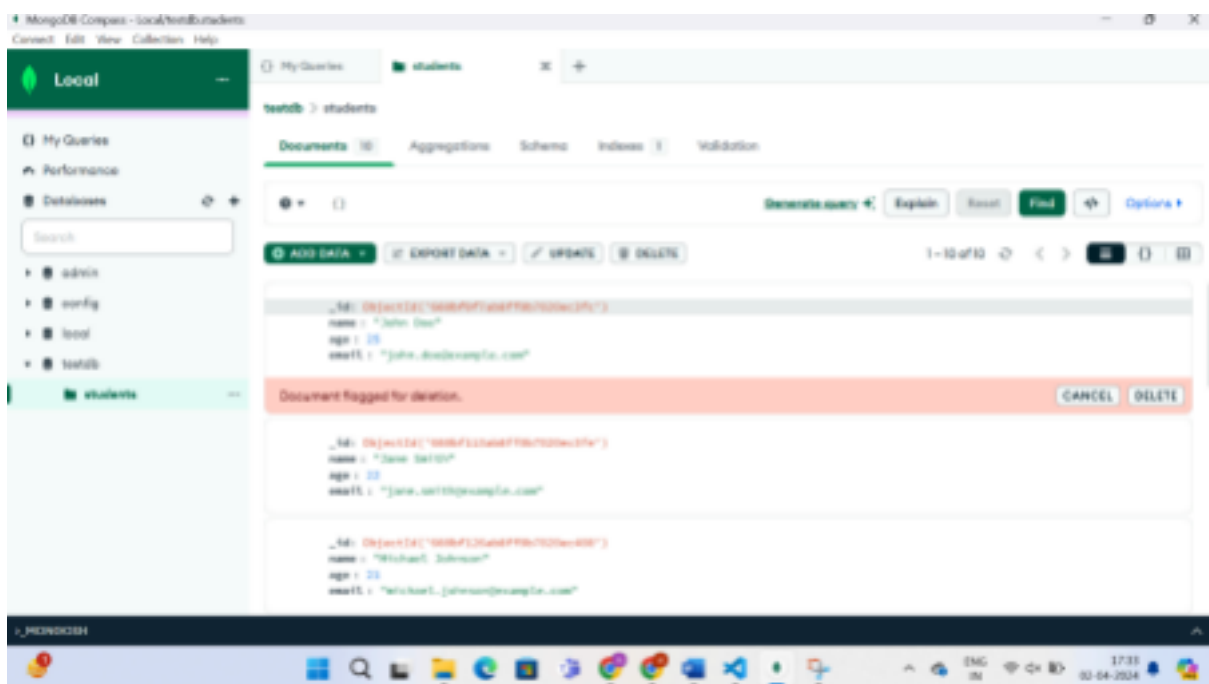


Update the age of a specific student in the "students" collection.

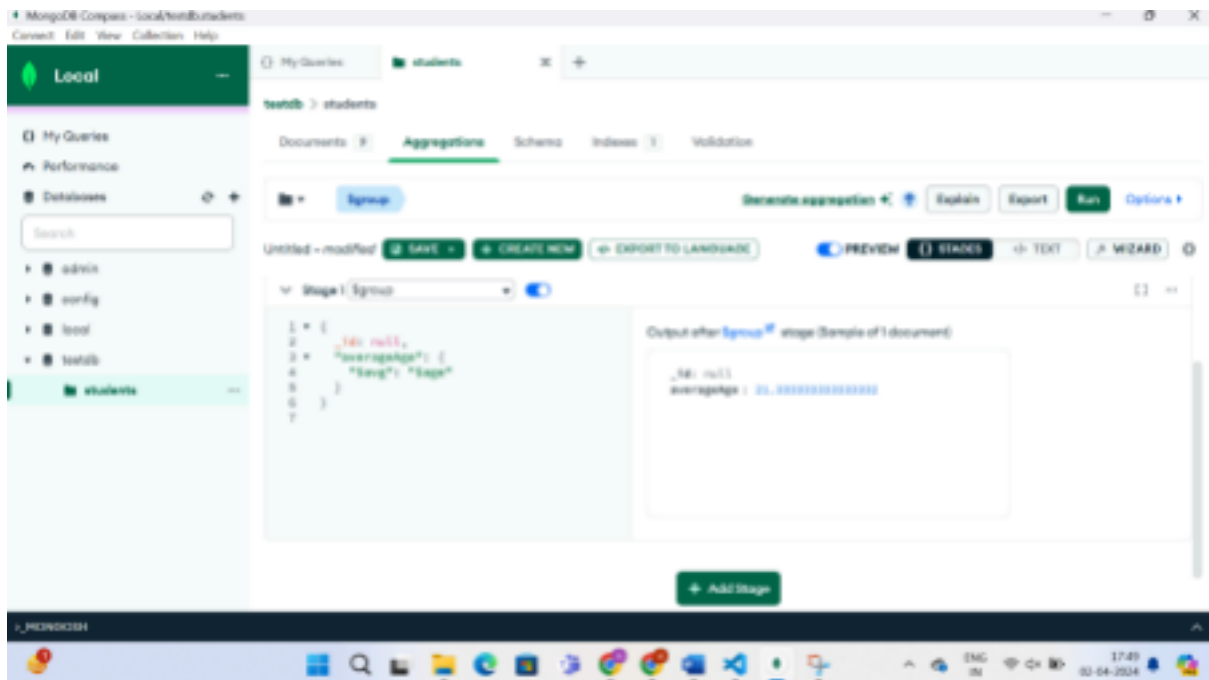


**Delete a document from the "students" collection based on a specific condition.**

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

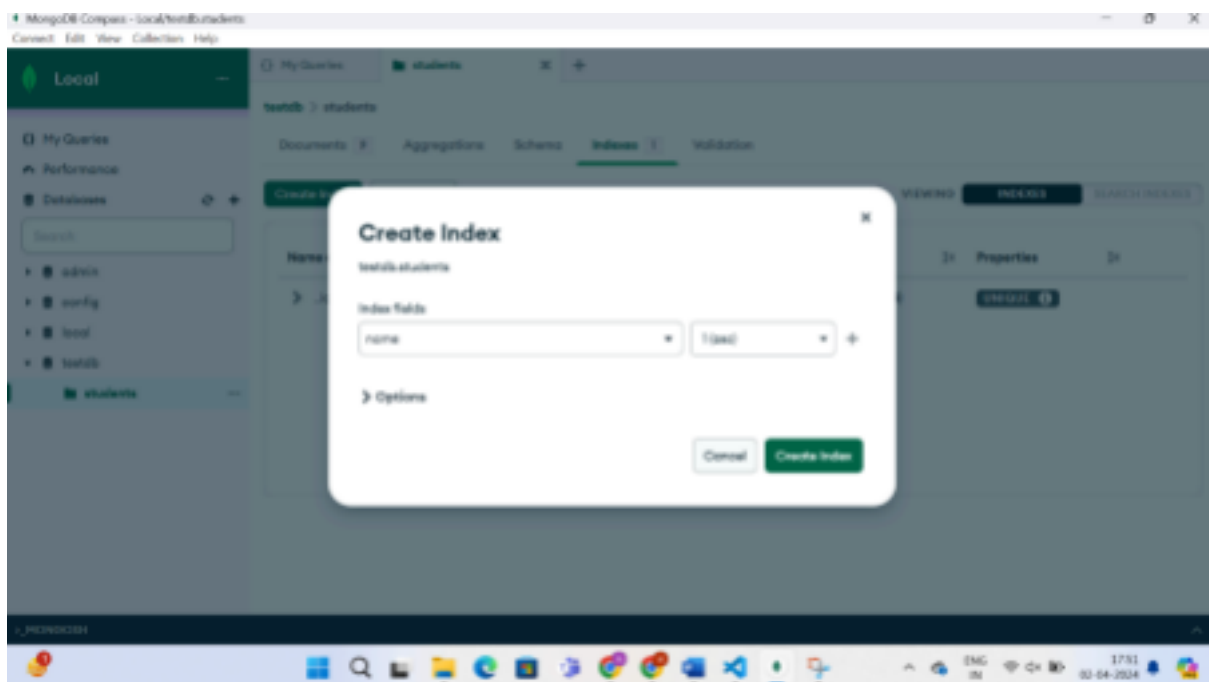


Create an index on the "name" field in the "students" collection.

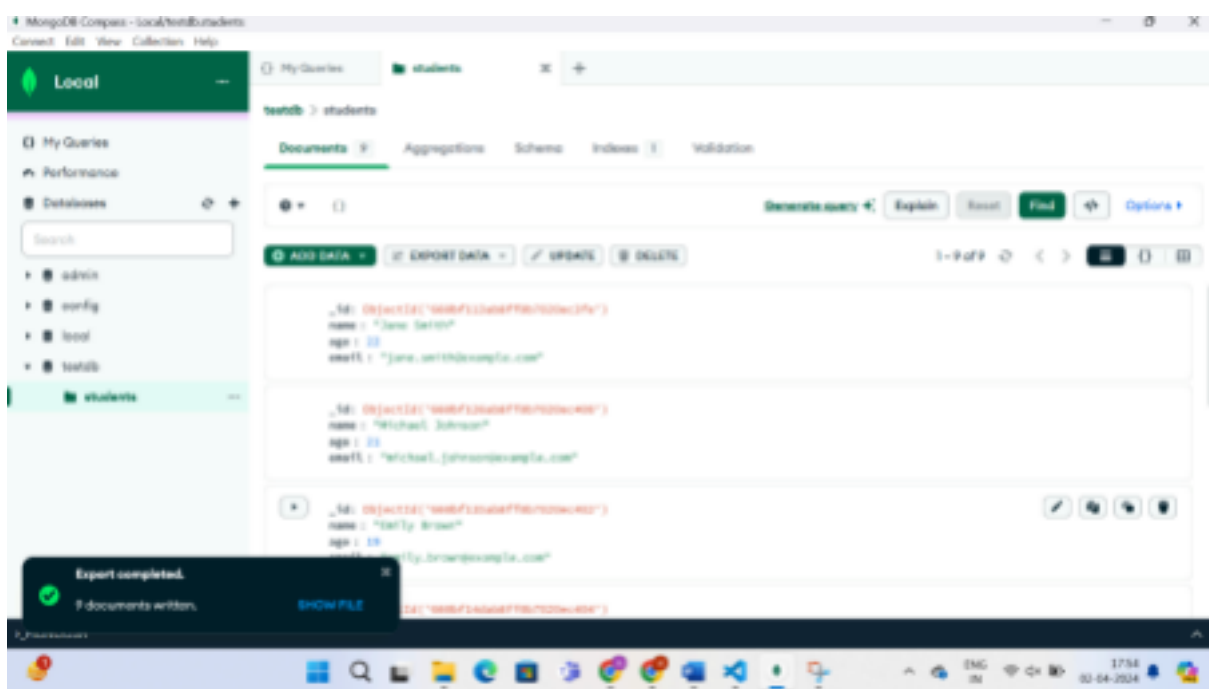
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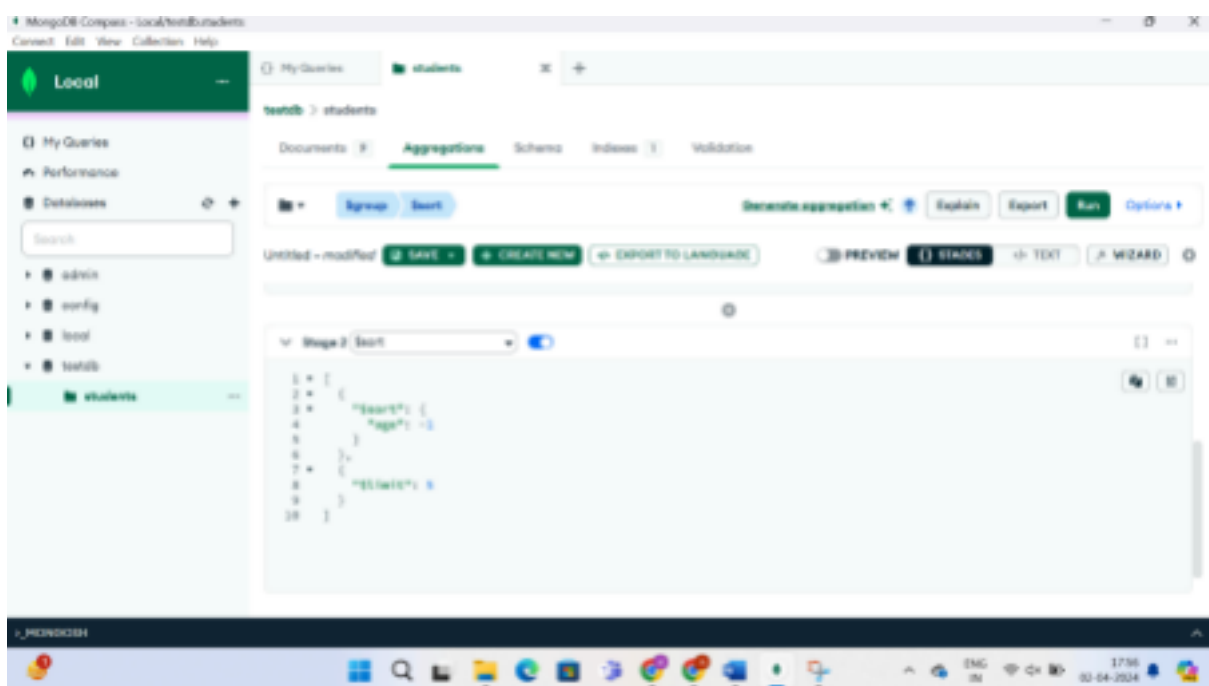


Export the contents of the "students" collection to a JSON file.



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

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**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

admin

config

local

testdb

students

My Queries

students

testdb > students

Documents Aggregations Schema **Indexes** Validation

Create Index Refresh

VIEWS INDEXES SEARCH INDEXES

Name and Definition	Type	Size	Usage	Properties
> _id...	PRIMARY	36.7 KB	10 since Tue Apr 02 2024	UNIQUE
> name_1	SECONDARY	20.6 KB	0 since Tue Apr 02 2024	
> students_indexname	SECONDARY	8.2 KB	0 since Tue Apr 02 2024	

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17:59 02-04-2024