

## LAB-10

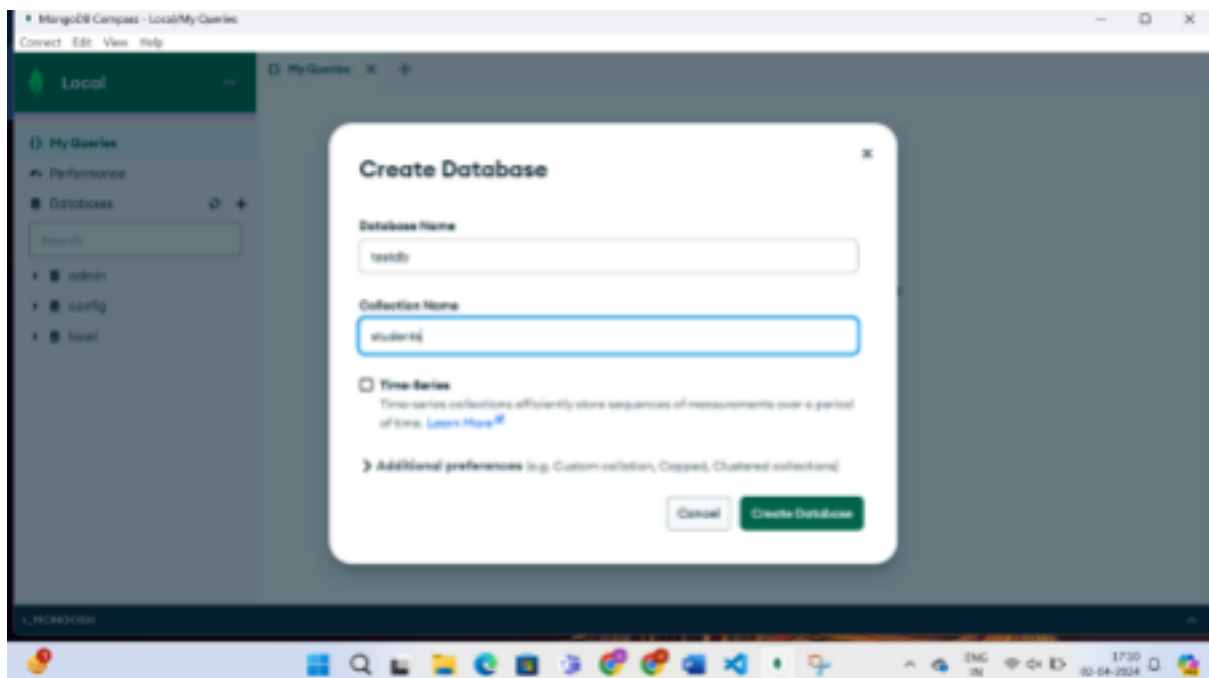
Connect to a MongoDB server using MongoDB Compass.



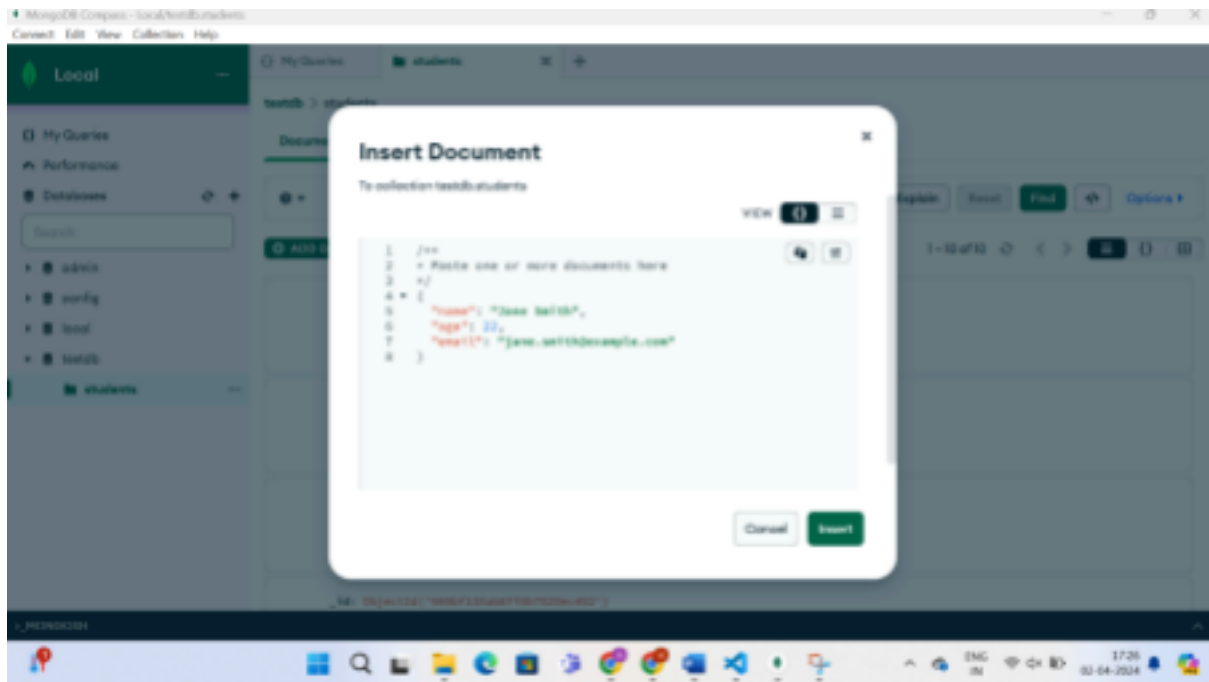
Create a new database named "testdb" in MongoDB Compass.



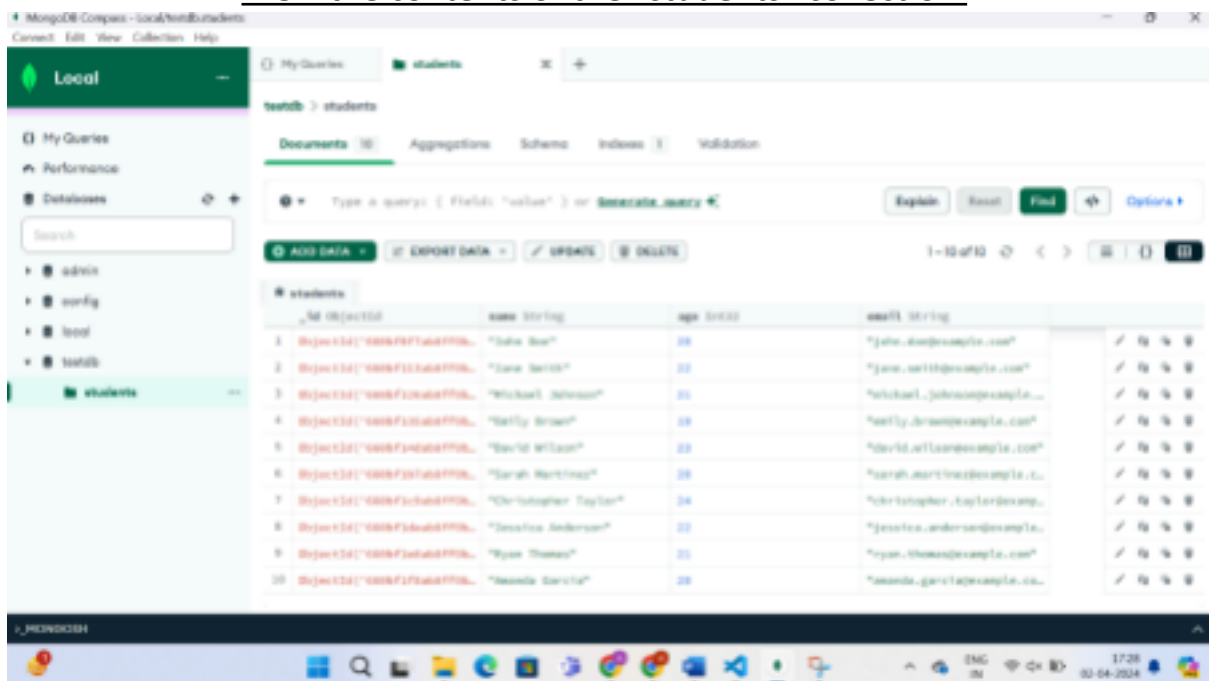
**Create a new collection named "students" in the "testdb" database.**



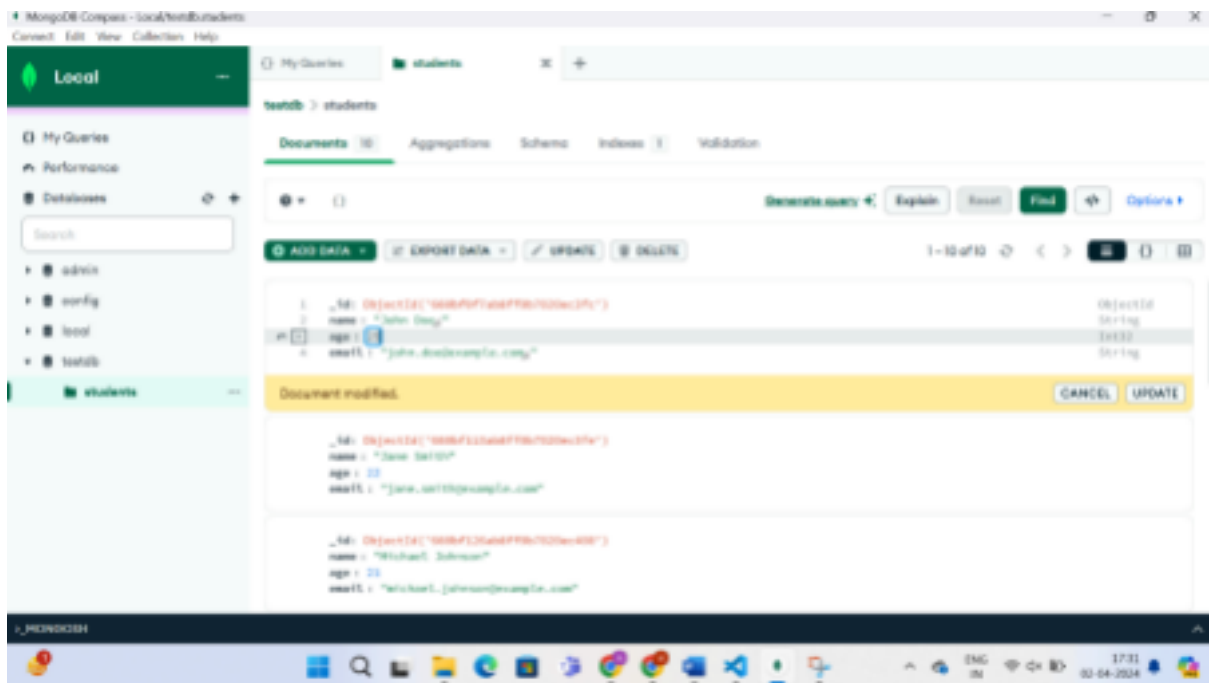
**Insert ten documents into the "students" collection with the following fields: name, age, and email.**



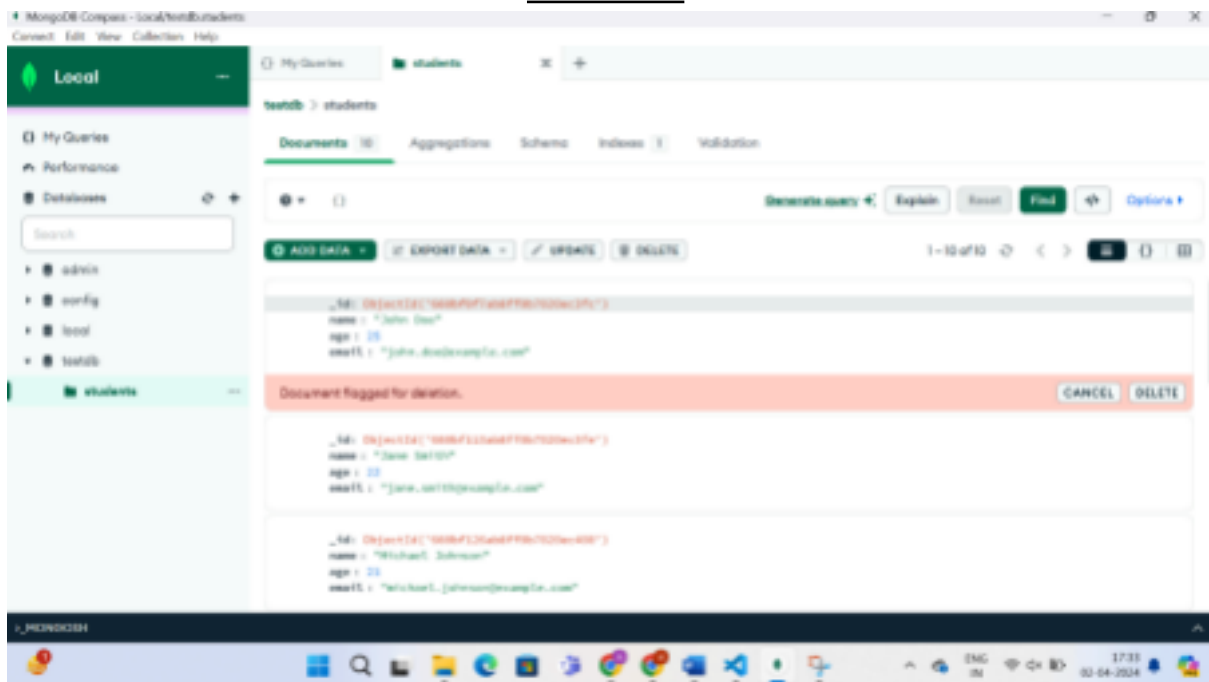
View the contents of the "students" collection.



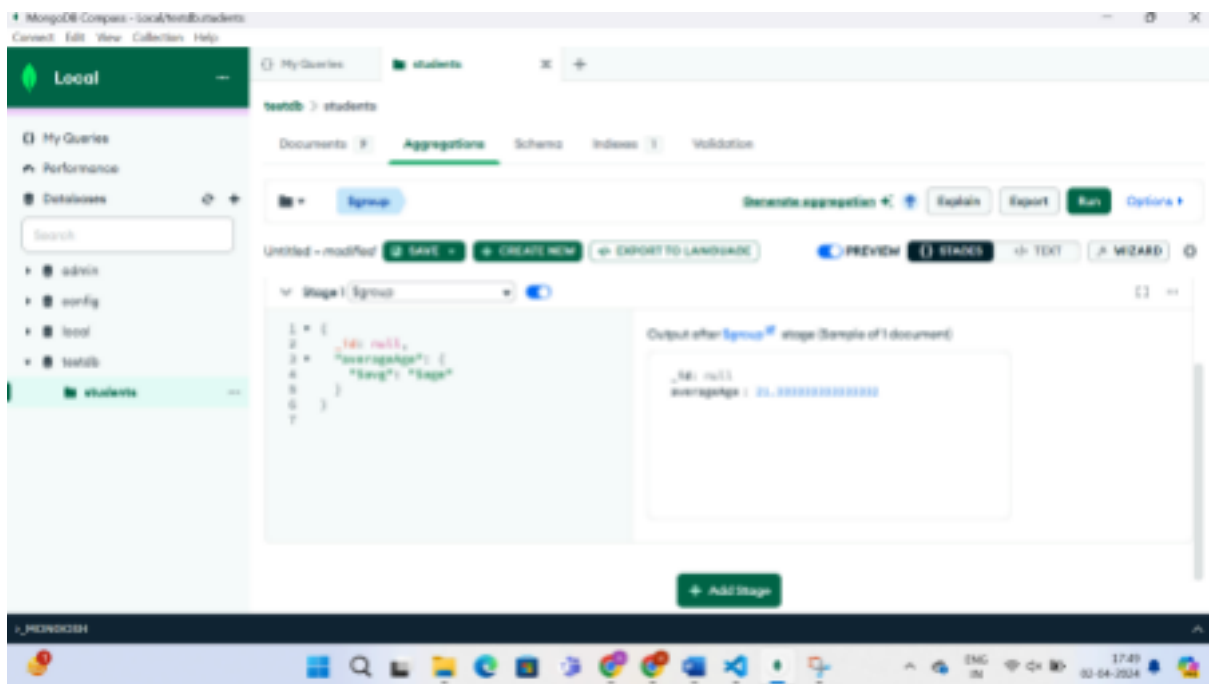
Update the age of a specific student in the "students" collection.



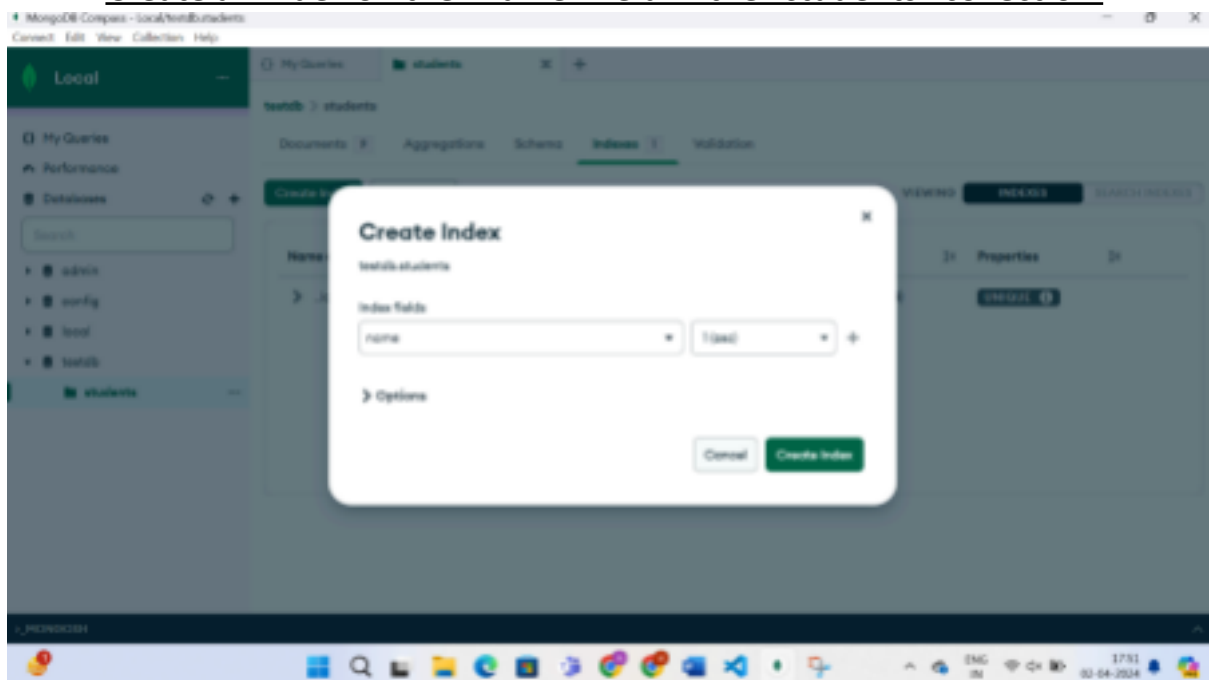
**Delete a document from the "students" collection based on a specific condition.**



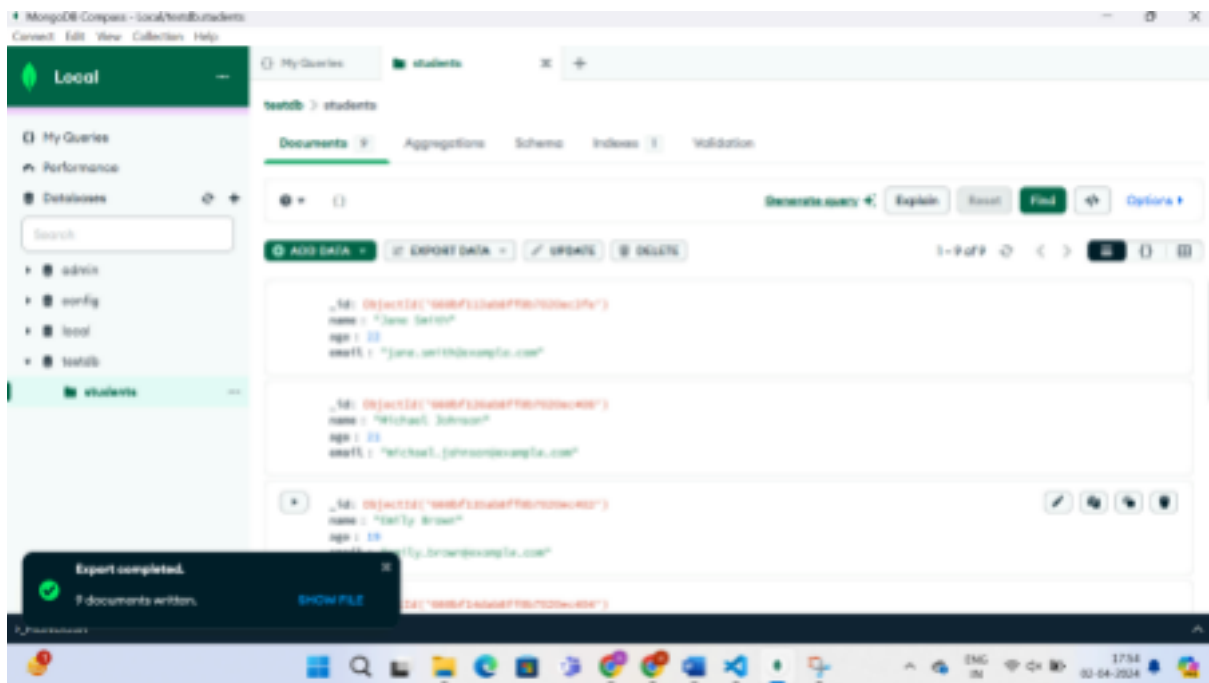
**Use the aggregation pipeline to calculate the average age of all students in the "students" collection.**



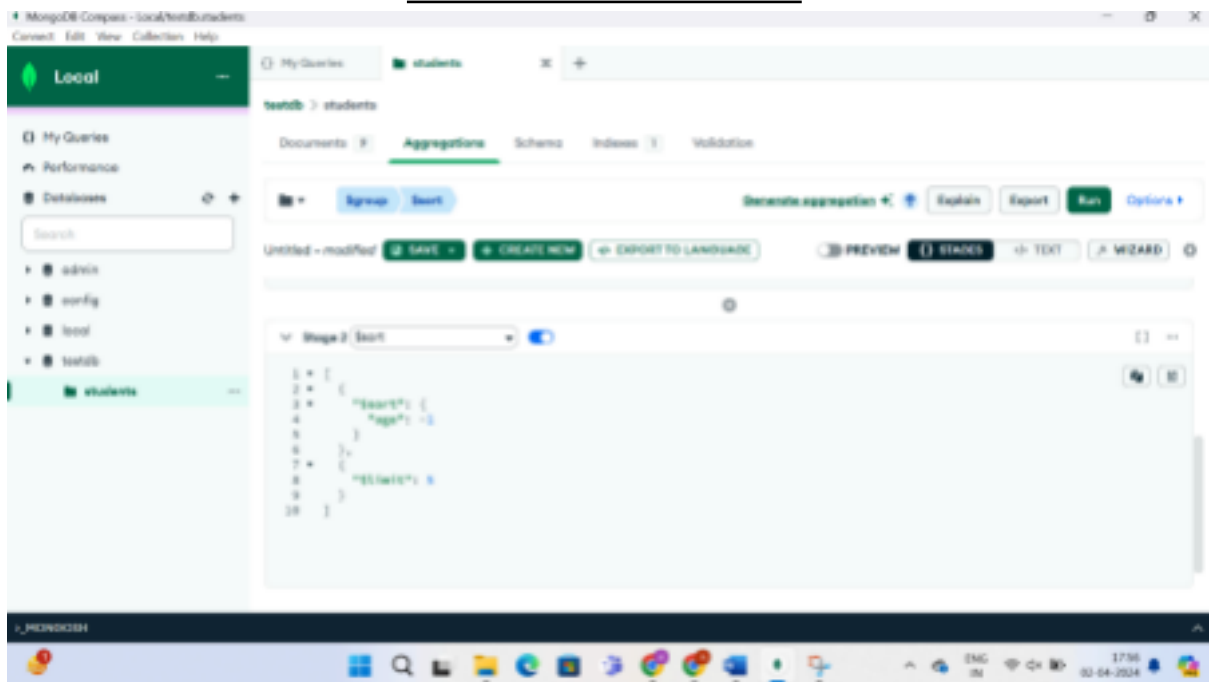
Create an index on the "name" field in the "students" collection.



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 - Localhost:27020

Connect Edit View Collections Help

Local

My Queries Performance Databases

admin config local testdb

students

My Queries

students

Documents Aggregations Schema Indices Validation

Create Index Refresh

VIEWING INDEXES SEARCH INDEXES

Name and Definition	Type	Size	Usage	Properties
._id	KEY	36.7 KB	10 (since Tue Apr 02 2024)	UNIQUE
name_1	KEY	35.6 KB	0 (since Tue Apr 02 2024)	
students_email	KEY	8.2 KB	0 (since Tue Apr 02 2024)	

\_id

17:59 02-04-2024