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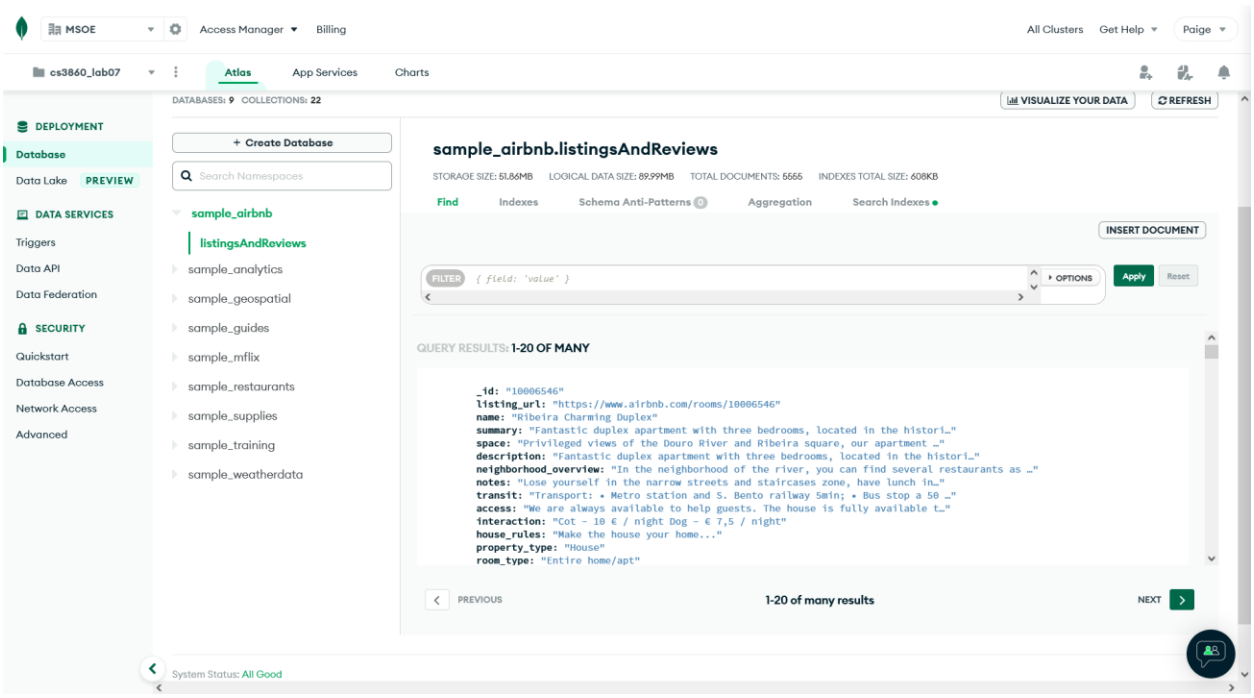
Lab 07 – Designing a Nonrelational Database Application

Part 1 – Load Sample Data



The screenshot above shows one collection from the database 'sample_airbnb', which demonstrates that I was able to load the sample data into my database.

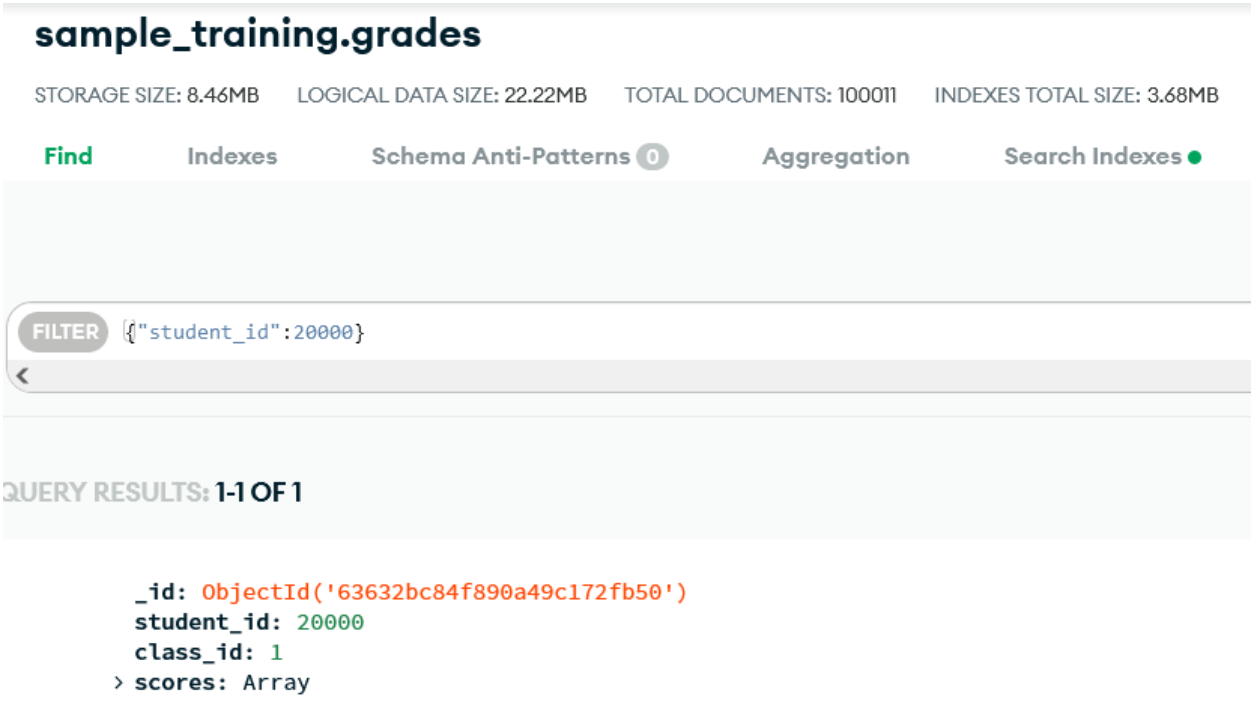
Part 2 – CRUD Tutorial

Step 7: Run the Connection class

```
{"name": "sample_airbnb", "sizeOnDisk": 55001088, "empty": false}
{"name": "sample_analytics", "sizeOnDisk": 9572352, "empty": false}
{"name": "sample_geospatial", "sizeOnDisk": 1449984, "empty": false}
{"name": "sample_guides", "sizeOnDisk": 40960, "empty": false}
{"name": "sample_mflix", "sizeOnDisk": 49885184, "empty": false}
{"name": "sample_restaurants", "sizeOnDisk": 8843264, "empty": false}
{"name": "sample_supplies", "sizeOnDisk": 1171456, "empty": false}
{"name": "sample_training", "sizeOnDisk": 59105280, "empty": false}
{"name": "sample_weatherdata", "sizeOnDisk": 2924544, "empty": false}
{"name": "admin", "sizeOnDisk": 344064, "empty": false}
{"name": "local", "sizeOnDisk": 2729824256, "empty": false}
```

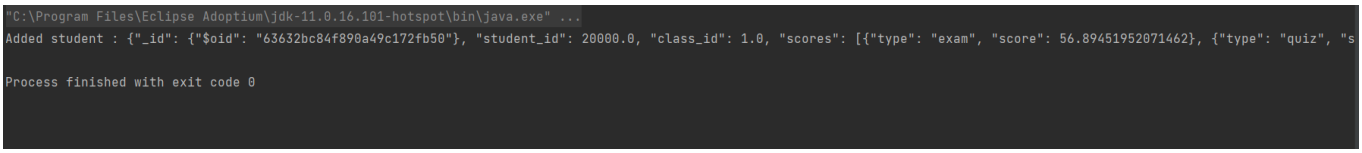
The screenshot above displays the results of running the Connection class from the tutorial repository.

Step 11: Add a student to the document with id > 10000



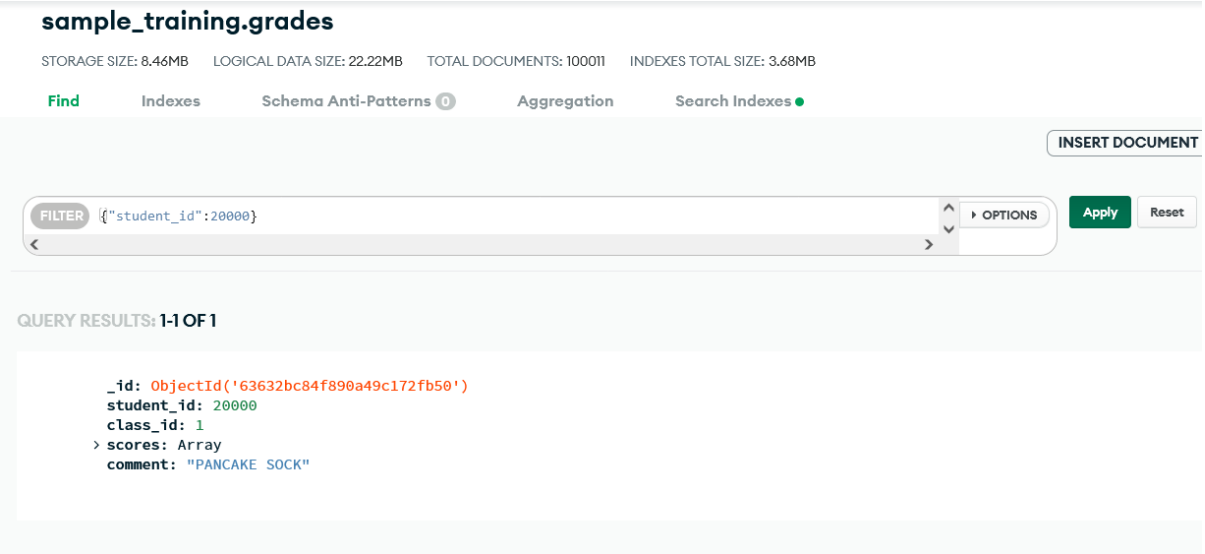
The above screenshot shows the results of filtering the 'sample_training' database for the student I added, with id – 20000. This proves that inserting a new student was successful.

Step 12: Read with filter (id = 20000)



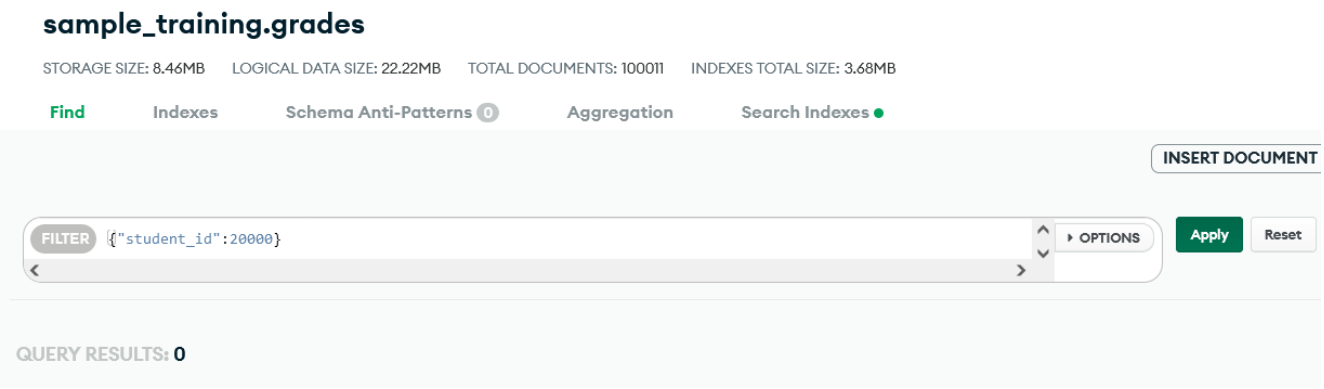
The screenshot above shows my program output after modifying the 'Read' class to filter for the student document I added in Step 11.

Step 15: Verify added comment (Update)



The above screenshot shows the results of filtering for my student (from Step 11) after updating the document to include the field, 'comment', with the value, 'PANCAKE SOCK".

Step 16: Delete added student (id = 20000)



The screenshot above shows the results of searching for my added student after editing the 'Delete' class to delete my added student. The results are empty which confirms that the delete was successful.