

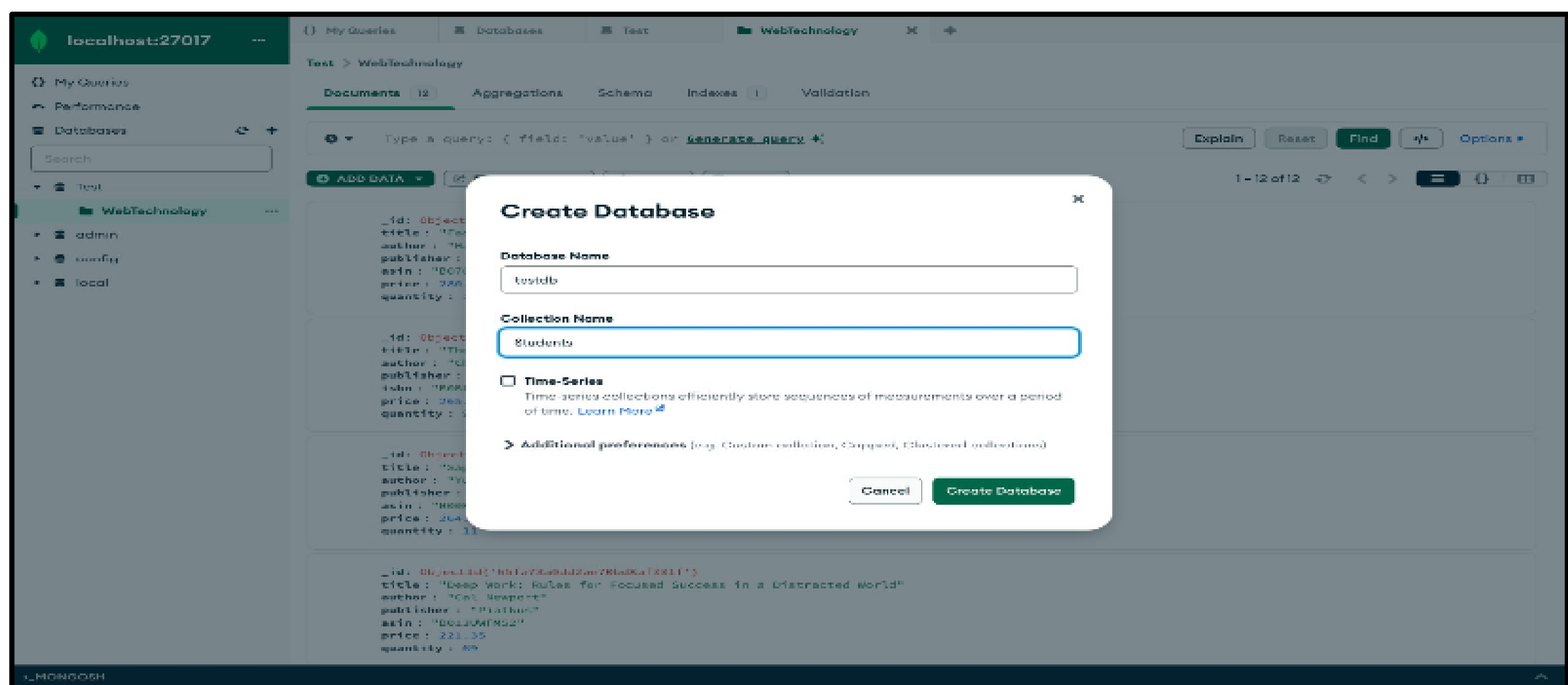
Web Technology

Assignment-10

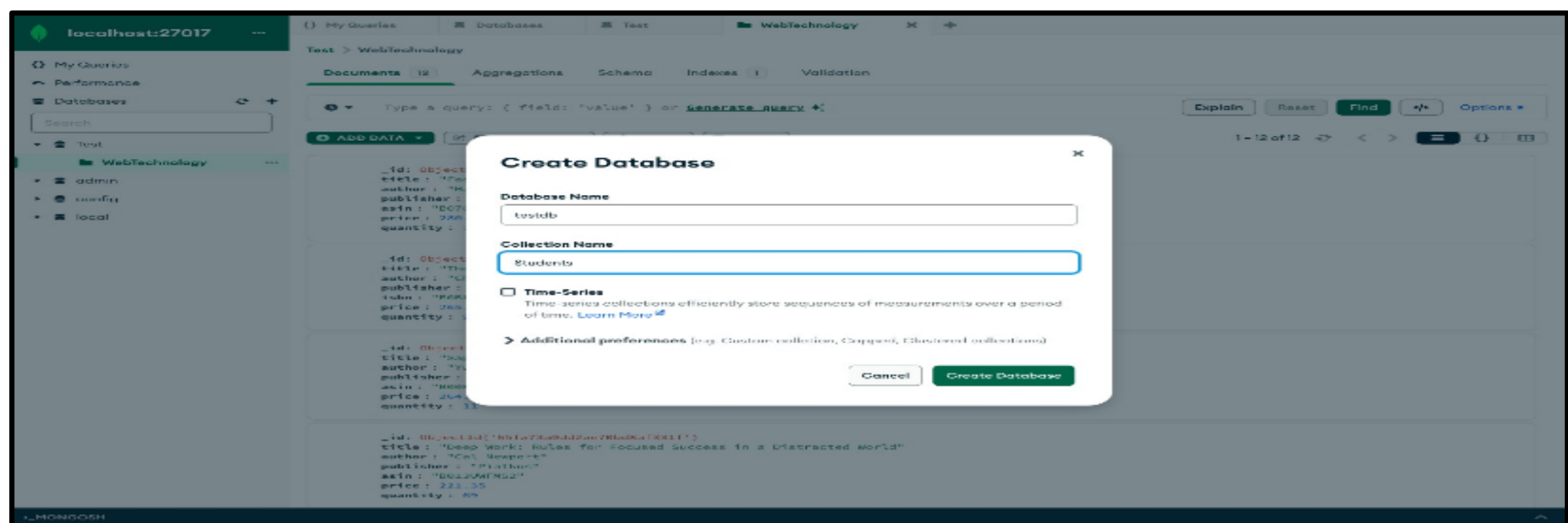
Name-Lokesh Sharma

Roll No.- 22CS3036

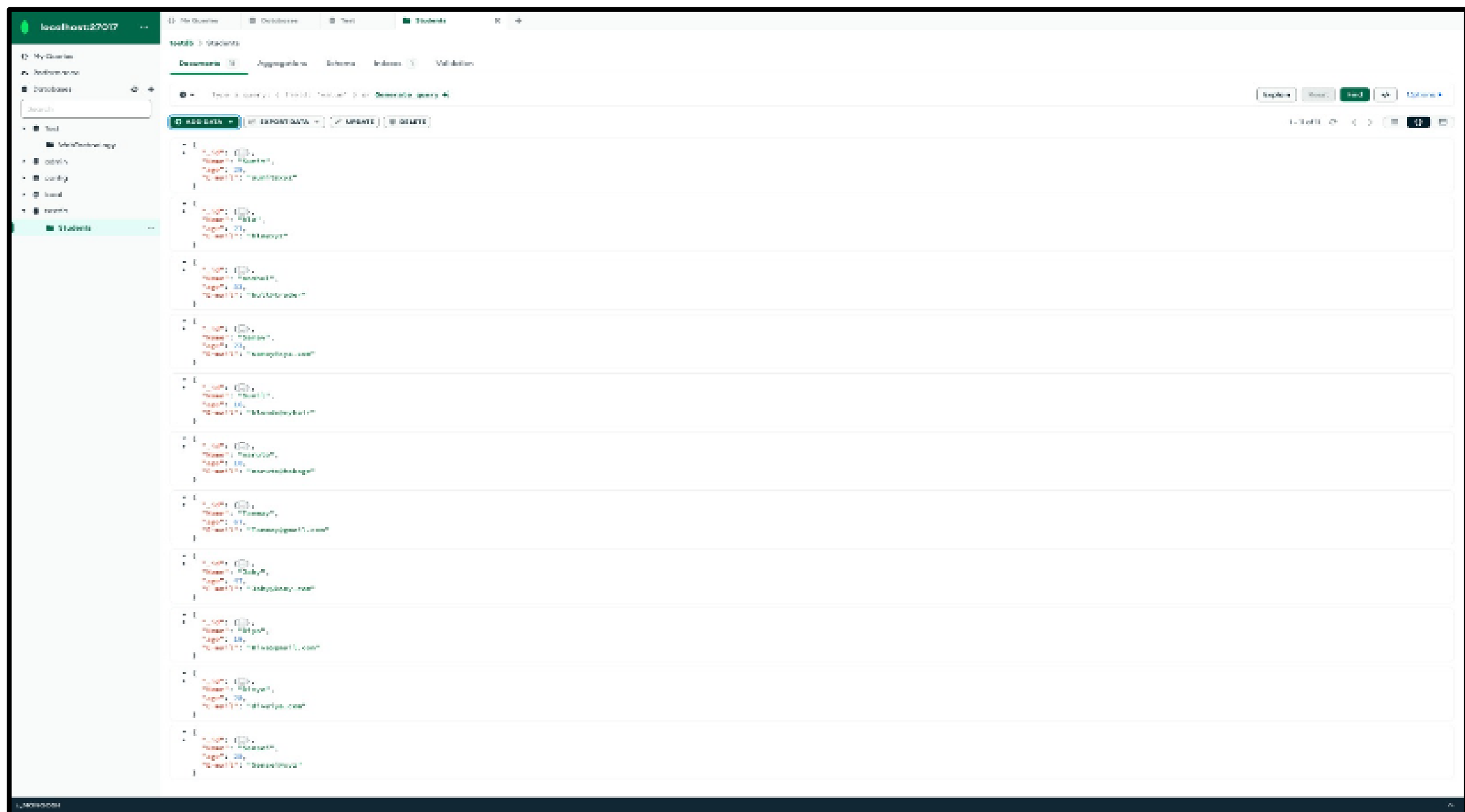
Task-1



Task-2

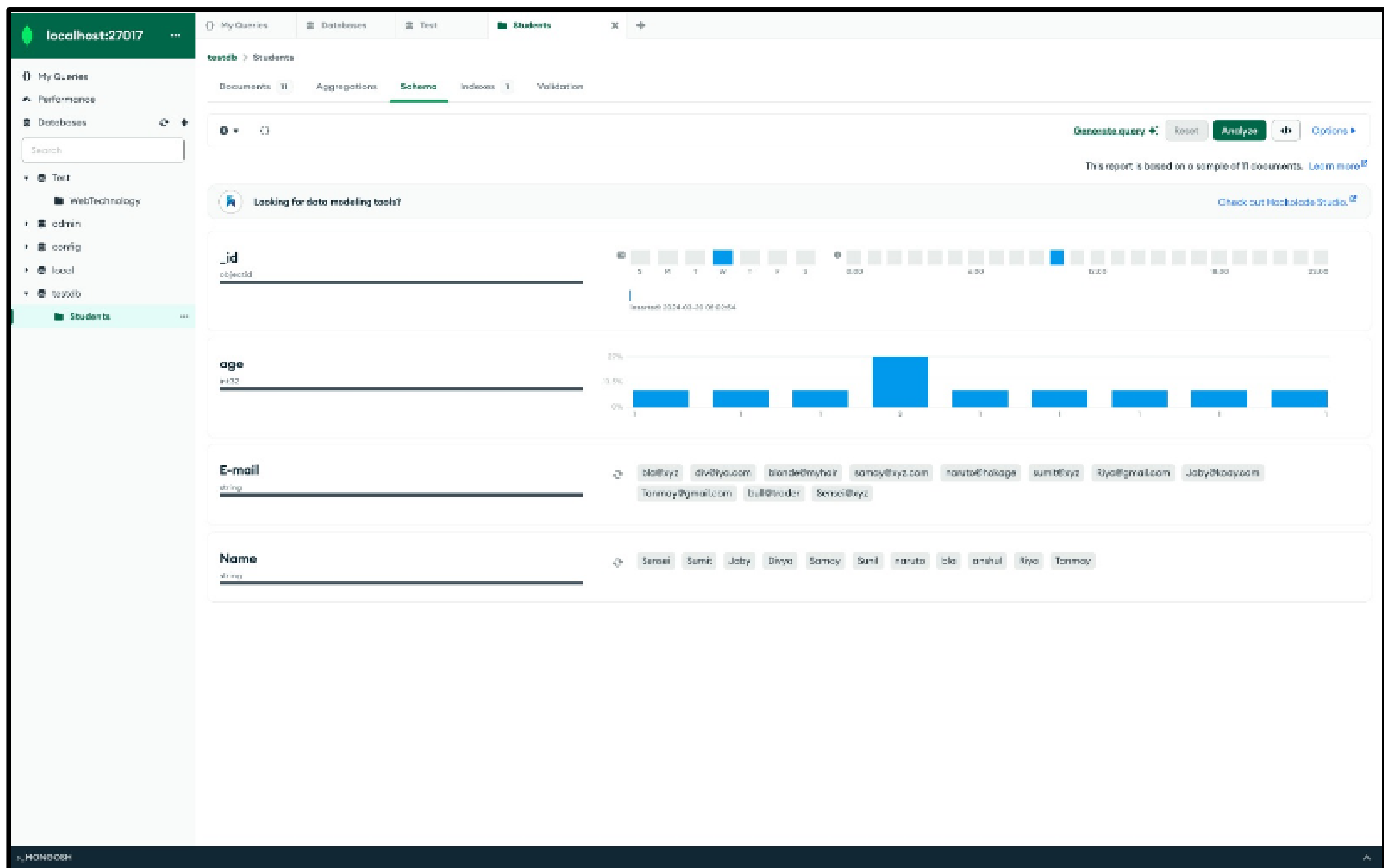


Task-3

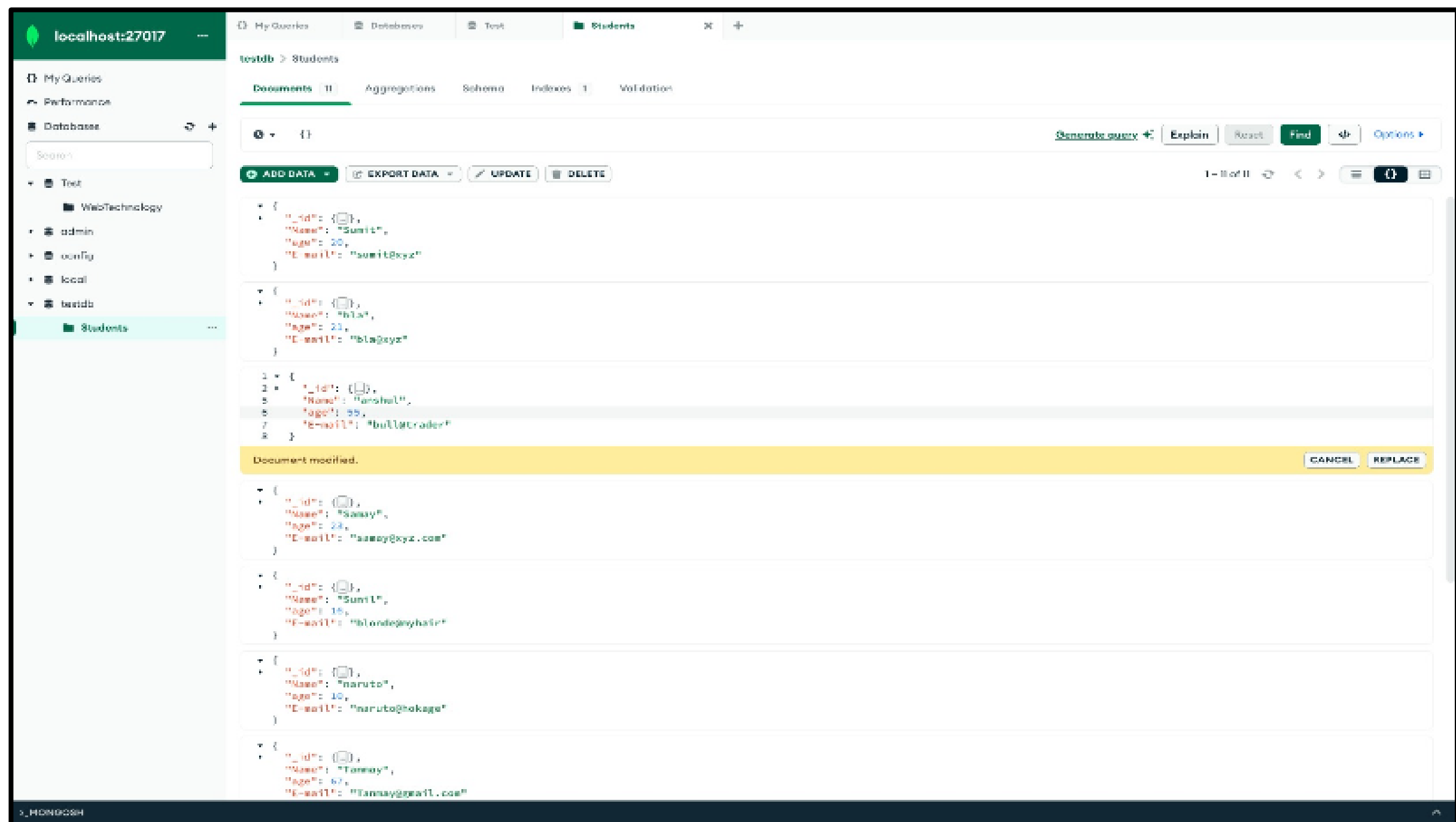


Document
{ "_id": 1, "name": "Ramesh", "age": 25, "email": "ramesh@gmail.com" }
{ "_id": 2, "name": "Rishi", "age": 25, "email": "rishi@gmail.com" }
{ "_id": 3, "name": "Rohit", "age": 25, "email": "rohit@gmail.com" }
{ "_id": 4, "name": "Rohit", "age": 25, "email": "rohit@gmail.com" }
{ "_id": 5, "name": "Rohit", "age": 25, "email": "rohit@gmail.com" }
{ "_id": 6, "name": "Rohit", "age": 25, "email": "rohit@gmail.com" }
{ "_id": 7, "name": "Rohit", "age": 25, "email": "rohit@gmail.com" }
{ "_id": 8, "name": "Rohit", "age": 25, "email": "rohit@gmail.com" }
{ "_id": 9, "name": "Rohit", "age": 25, "email": "rohit@gmail.com" }
{ "_id": 10, "name": "Rohit", "age": 25, "email": "rohit@gmail.com" }

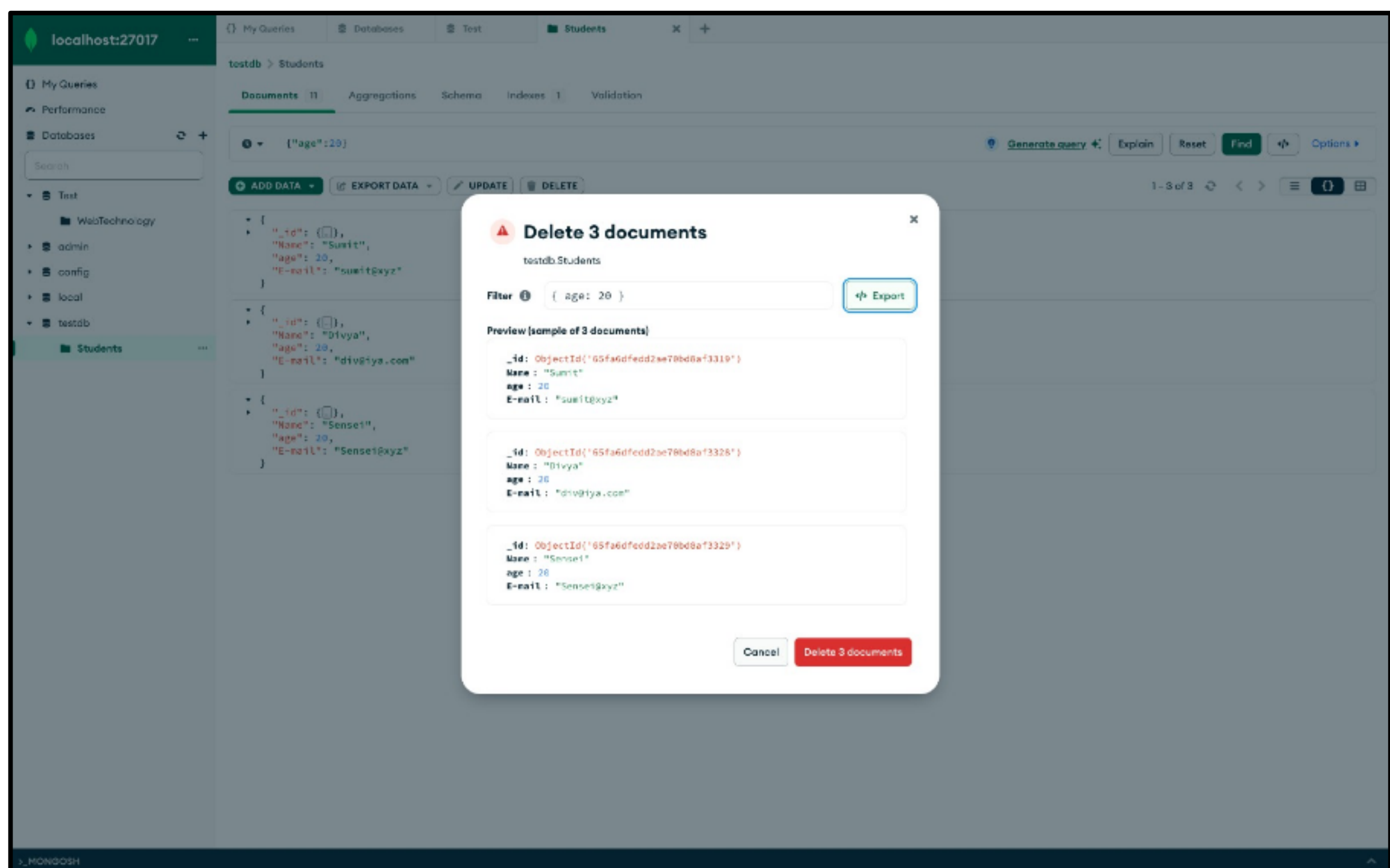
Task-4



Task-5,6,7



Task-8,9,10,11



Task-12,13,14

The screenshot displays the MongoDB Compass web interface at localhost:27017. The left sidebar shows a tree view of databases and collections, with 'testdb' and 'Students' selected. The main panel is titled 'testdb > Students' and shows the 'Aggregations' tab. A single aggregation stage, '\$group', is configured. The pipeline editor shows a JavaScript snippet for the \$group stage, and the output preview shows a sample document with fields '_id' and 'avgscore'.

localhost:27017

My Queries Databases Test Students

testdb > Students

Documents 11 Aggregations Schema Indexes 1 Validation

\$group

Generate aggregation Explain Export Run Options

Untitled - modified SAVE CREATE NEW EXPORT TO LANGUAGE

PREVIEW STAGES TEXT WIZARD

1 Document in the collection

Stage 1 \$group

```
1 //
2 * _id: The id of the group.
3 * fieldN: The first field name.
4 */
5 {
6   _id: null,
7   avgscore: {
8     $avg: "$age"
9   }
10 }
```

Output after \$group stage (Sample of 1 document)

```
{
  "_id": null,
  "avgscore": 28.509999999999991
}
```

+ Add Stage

Learn more about aggregation pipeline stages

_MONGODB

THE END