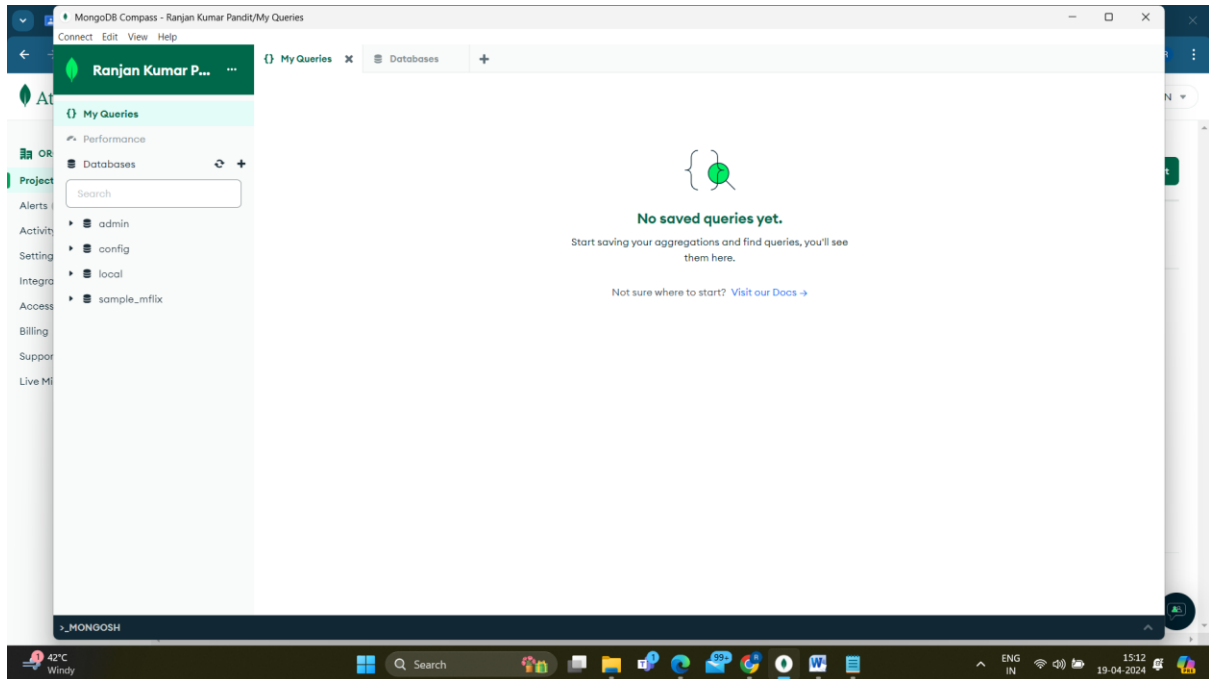


Name – Ranjan Kumar Pandit

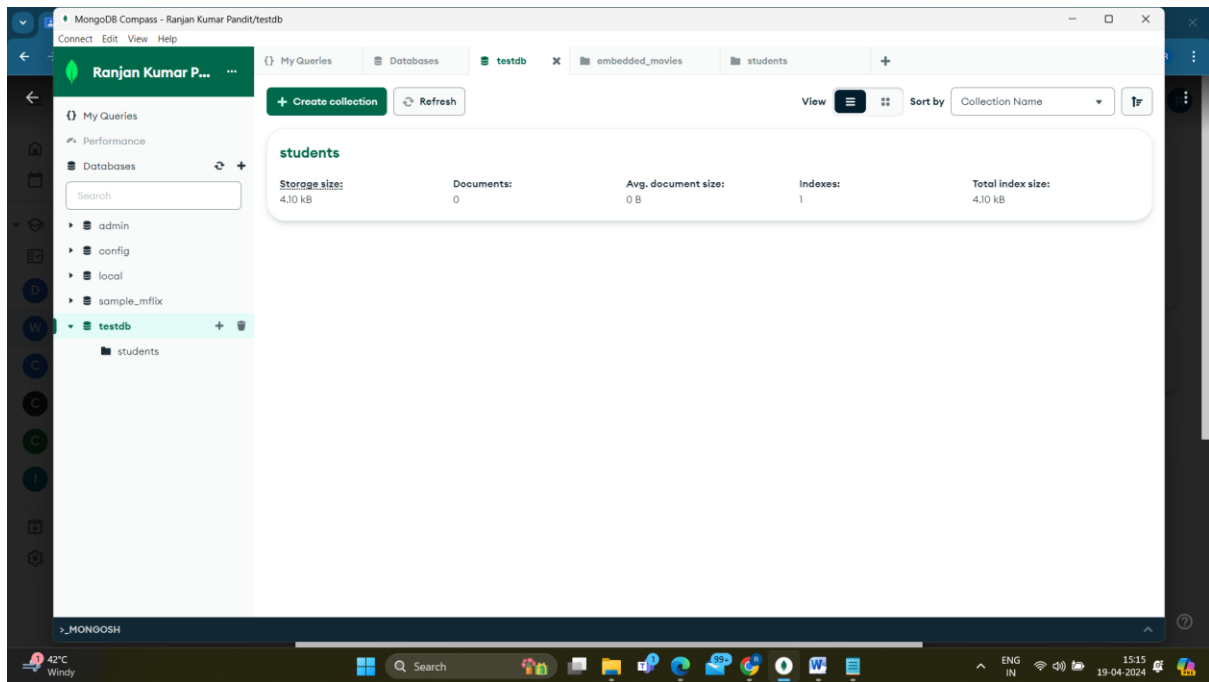
Roll No. – 22it3037

Lab Assignment – 9

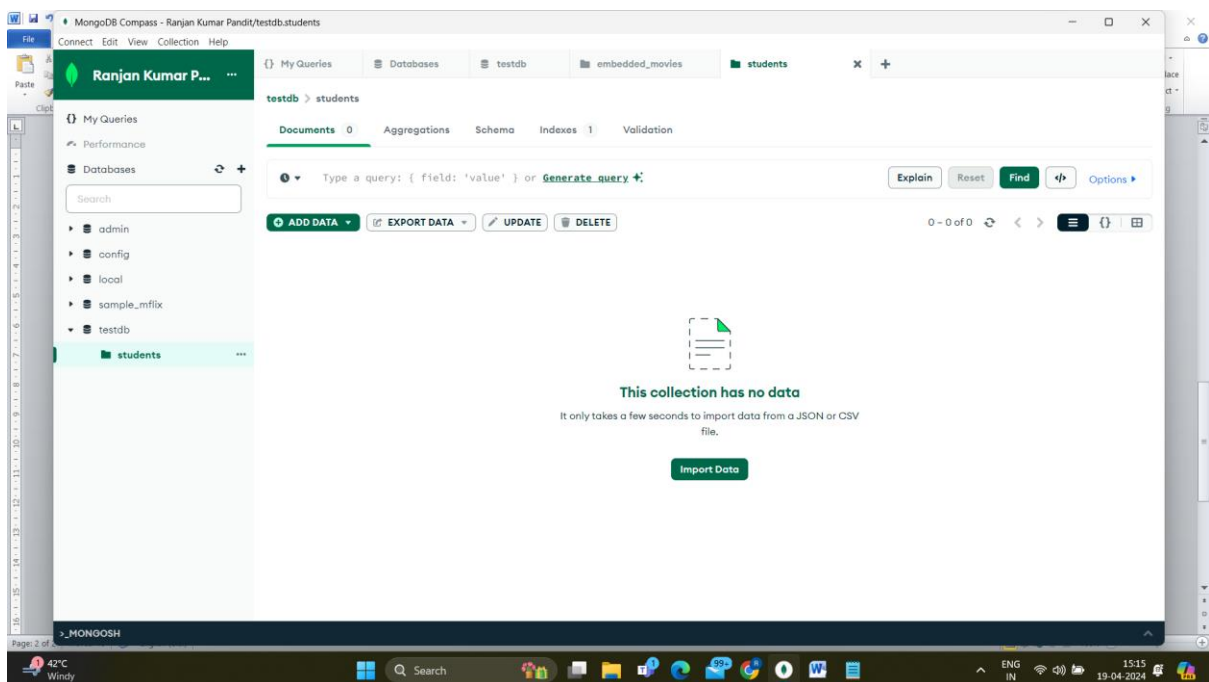
Q1.



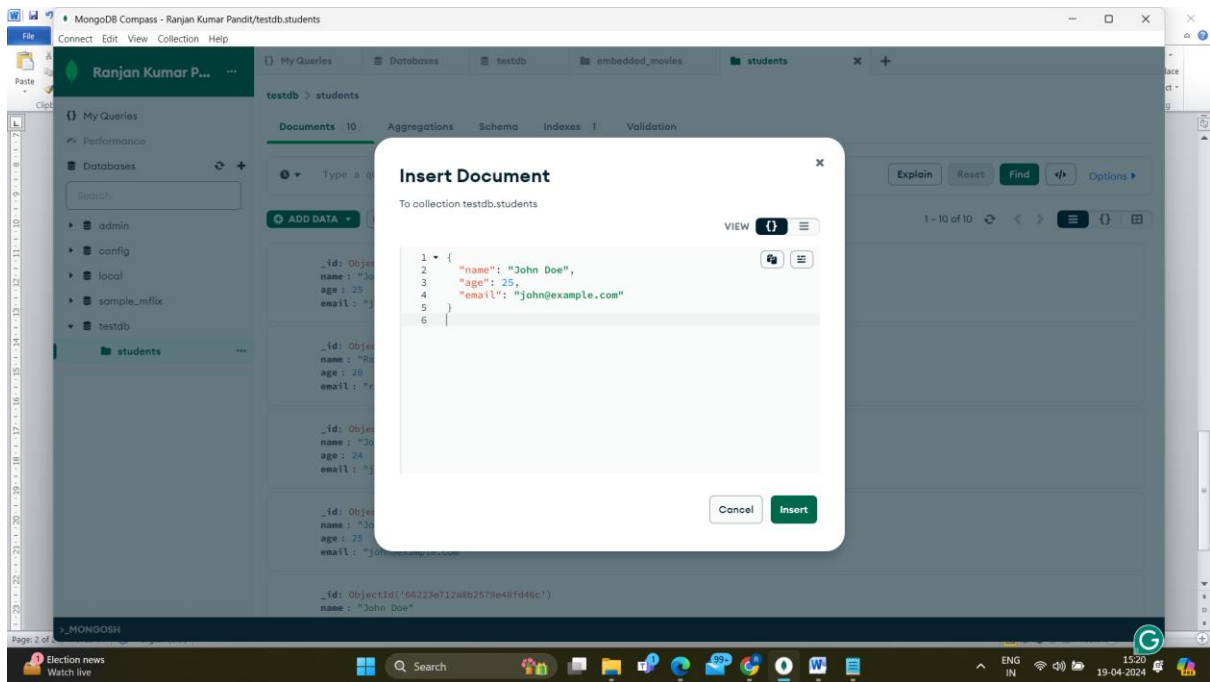
Q2.



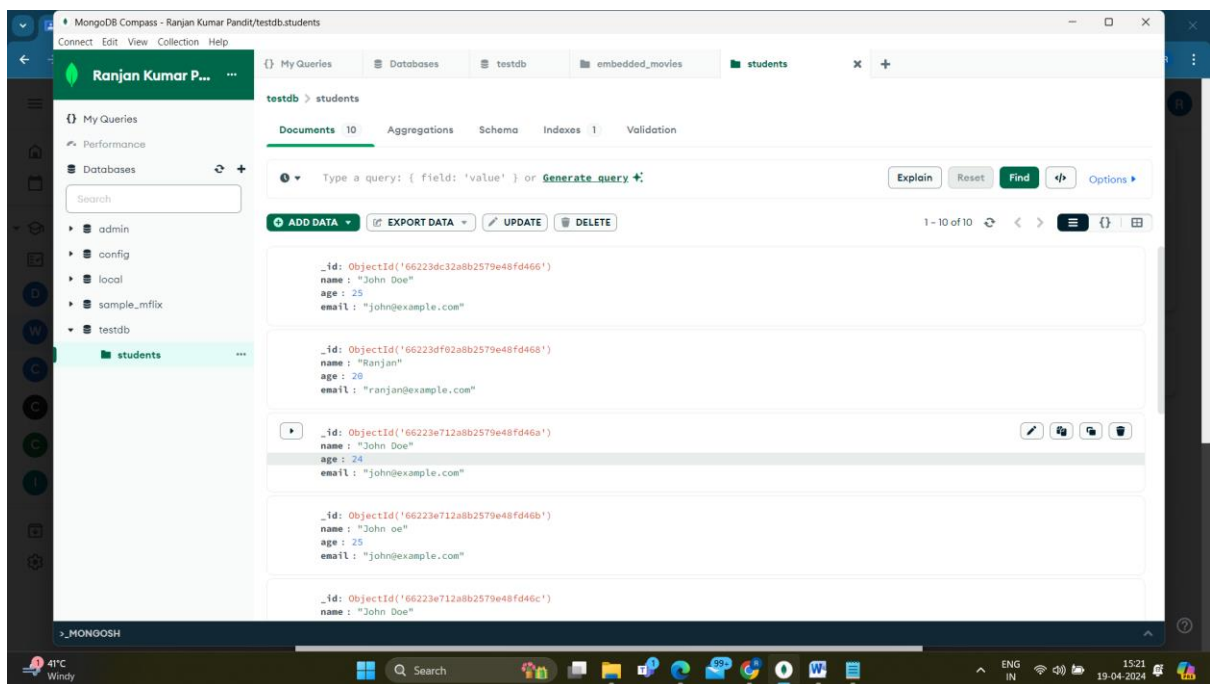
Q3.



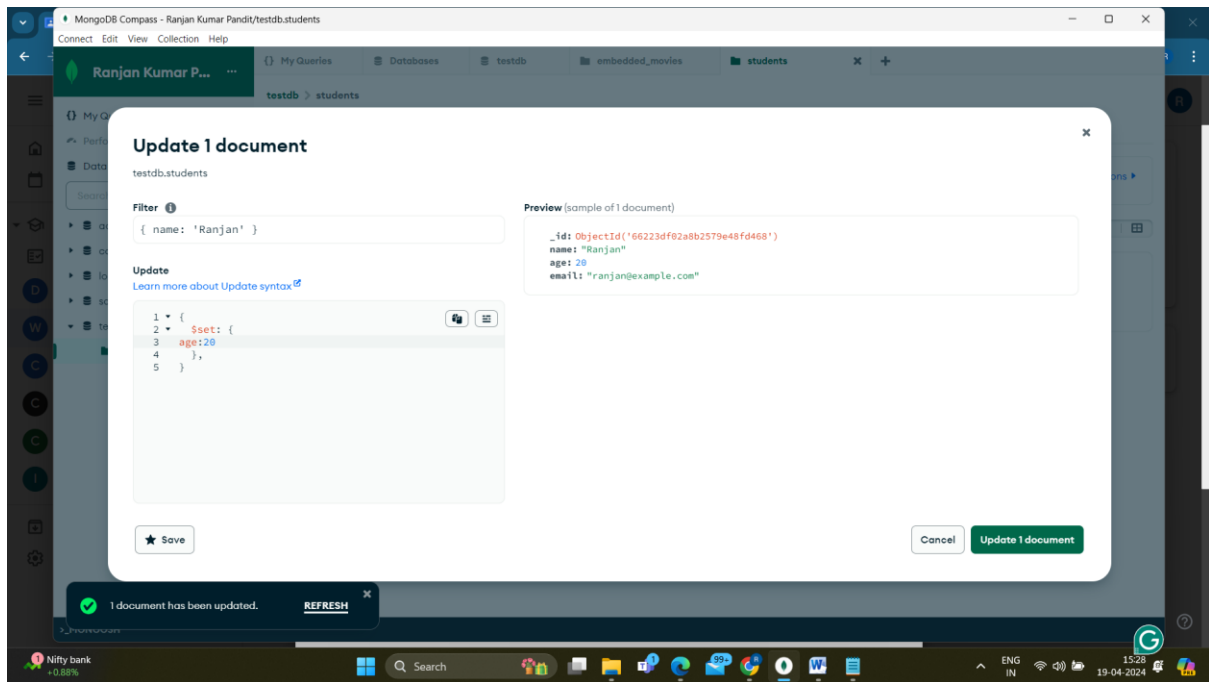
Q4.



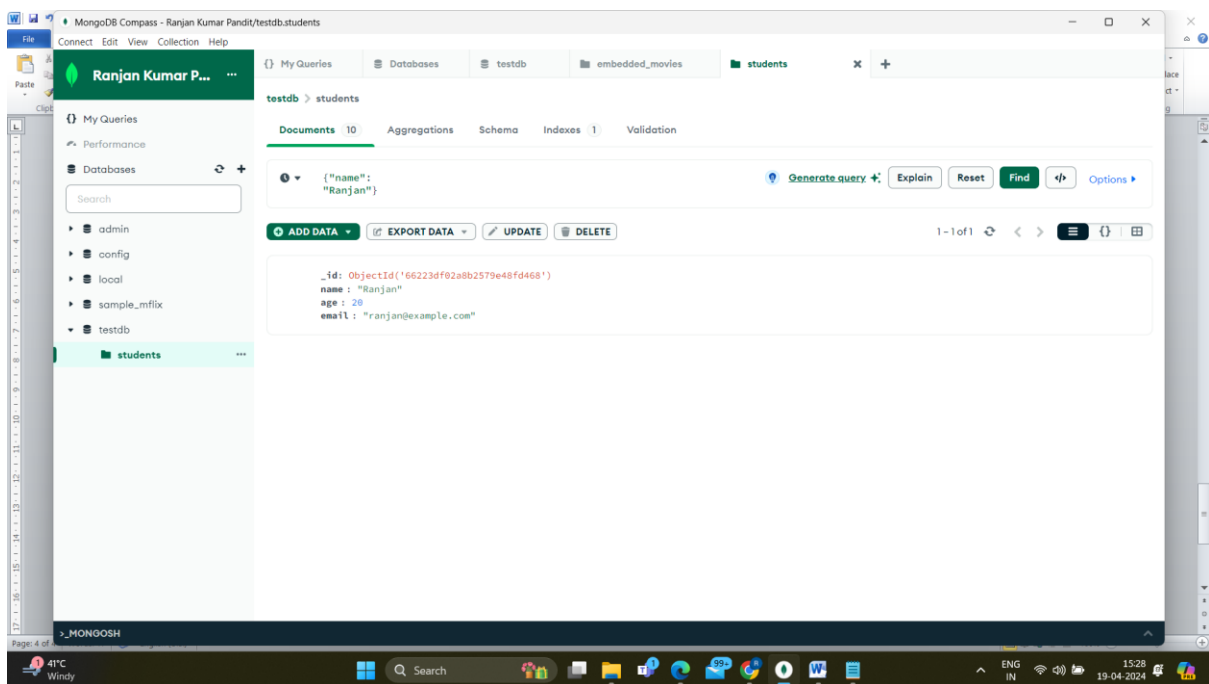
Q5.

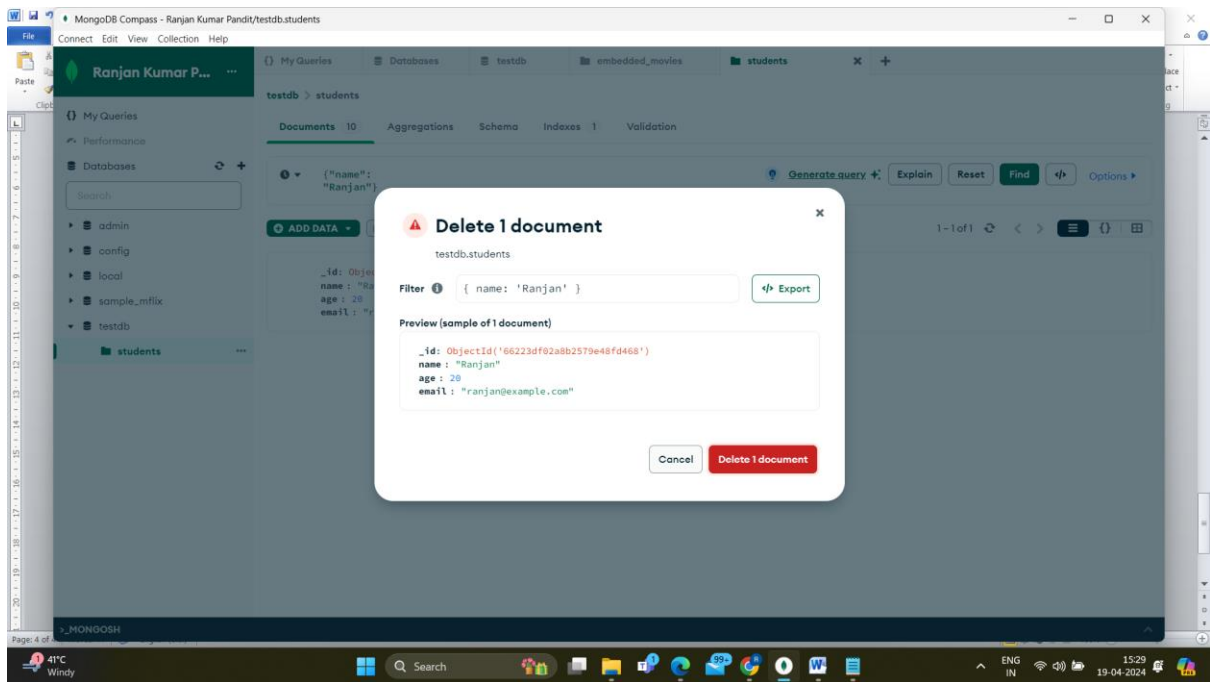


Q6.

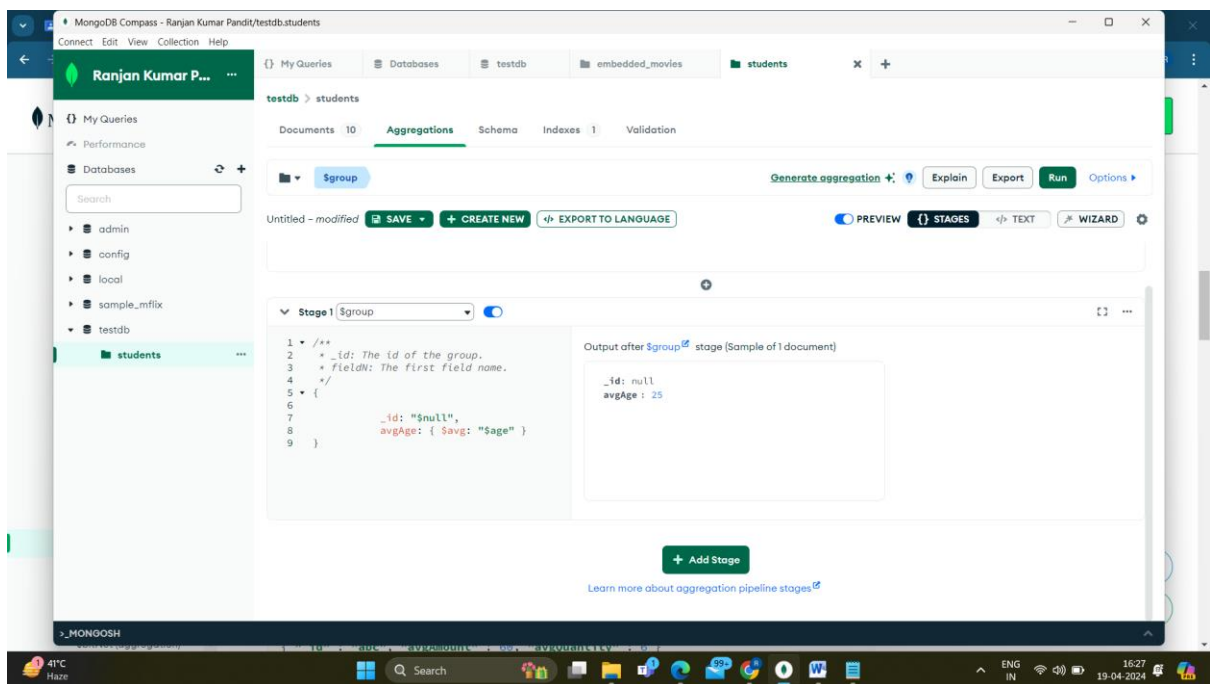


Q7.

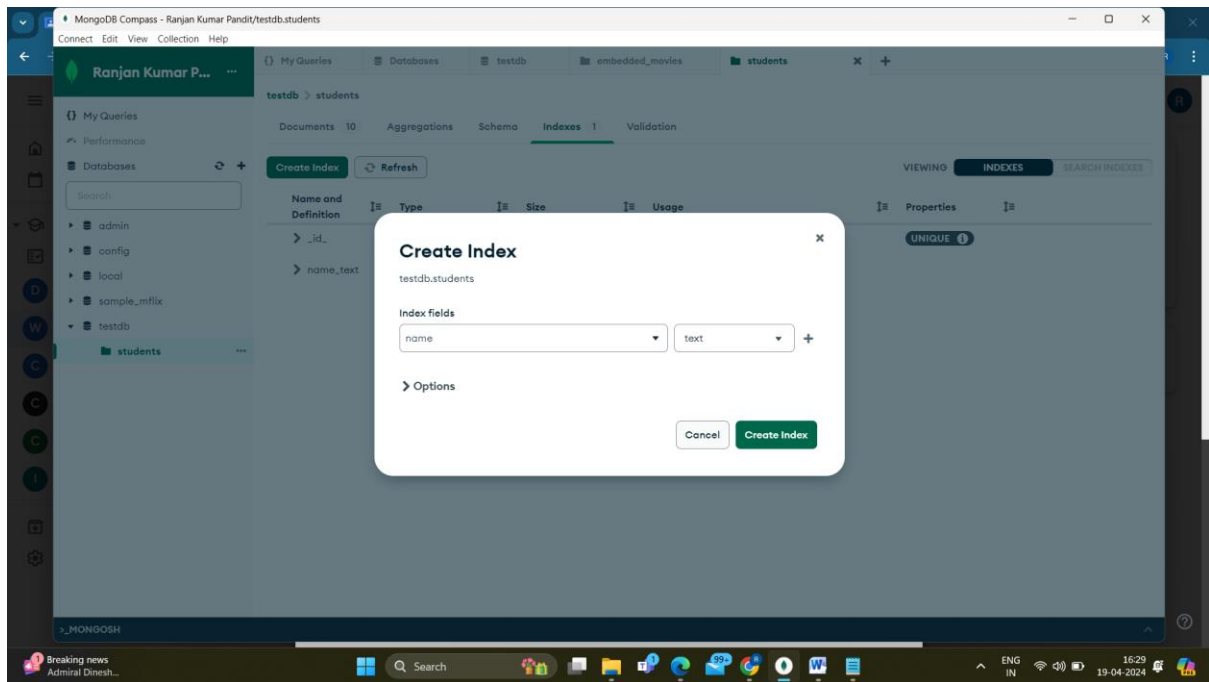




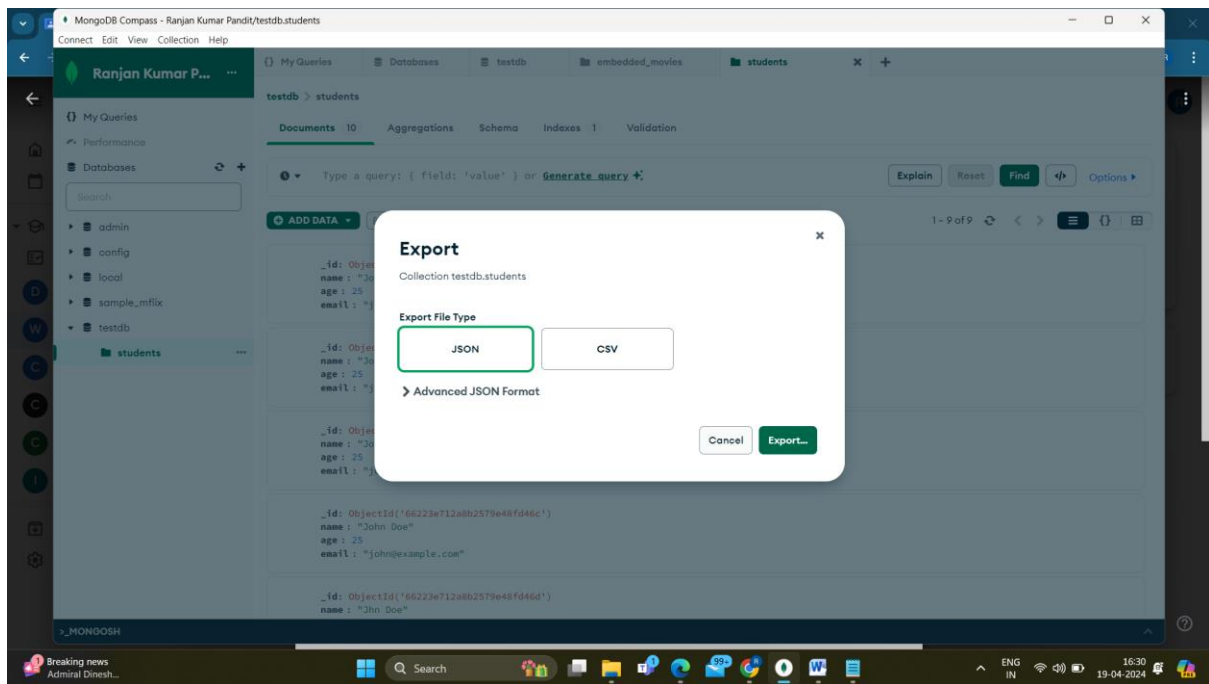
Q8.



Q9.



Q10.



```
File Edit Selection View Go Run Terminal Help
testdb.students.json
1 {
2   "_id": {
3     "id": "66223dc32a8b2579e48fd46d"
4   },
5   "name": "John Doe",
6   "age": 25,
7   "email": "john@example.com"
8 },
9 {
10  "_id": {
11    "id": "66223e712a8b2579e48fd46e"
12  },
13  "name": "John Doe",
14  "age": 25,
15  "email": "john@example.com"
16 },
17 {
18  "_id": {
19    "id": "66223e712a8b2579e48fd46e"
20  },
21  "name": "John Doe",
22  "age": 25,
23  "email": "john@example.com"
24 },
25 {
26  "_id": {
27    "id": "66223e712a8b2579e48fd46e"
28  },
29  "name": "John Doe",
30  "age": 25,
31  "email": "john@example.com"
32 },
33 {
34  "_id": {
35    "id": "66223e712a8b2579e48fd46d"
36  },
37  "name": "John Doe",
38  "age": 25,
39  "email": "john@example.com"
40 },
41 {
42  "_id": {
43    "id": "66223e712a8b2579e48fd46d"
44  },
45  "name": "John Doe",
46  "age": 25,
47  "email": "john@example.com"
48 },
49 {
50  "_id": {
51    "id": "66223e712a8b2579e48fd46d"
52  },
53  "name": "John Doe",
54  "age": 25,
55  "email": "john@example.com"
56 }
57 }
```

Q11.

MongoDB Compass - Ranjan Kumar Pandit/testdb.students

Connect Edit View Collection Help

Ranjan Kumar P... My Queries Databases testdb embedded_movies students

testdb > students Documents 10 Aggregations Schema Indexes 1 Validation

Sort \$limit Generate aggregation Explain Export Run Options

Untitled - modified SAVE + CREATE NEW EXPORT TO LANGUAGE PREVIEW STAGES TEXT WIZARD

Stage 1 \$sort

```
1 /**
2  * Provide any number of field/order pair
3  */
4 {
5   age:-1
6 }
```

Output after \$sort stage (Sample of 9 documents)

<pre>{ "_id": ObjectId('66223dc32a8b2579e48fd46e'), "name": "John Doe", "age": 25, "email": "john@example.com" }</pre>	<pre>{ "_id": ObjectId('66223e712a8b2579e48fd46e'), "name": "John Doe", "age": 25, "email": "john@example.com" }</pre>
--	--

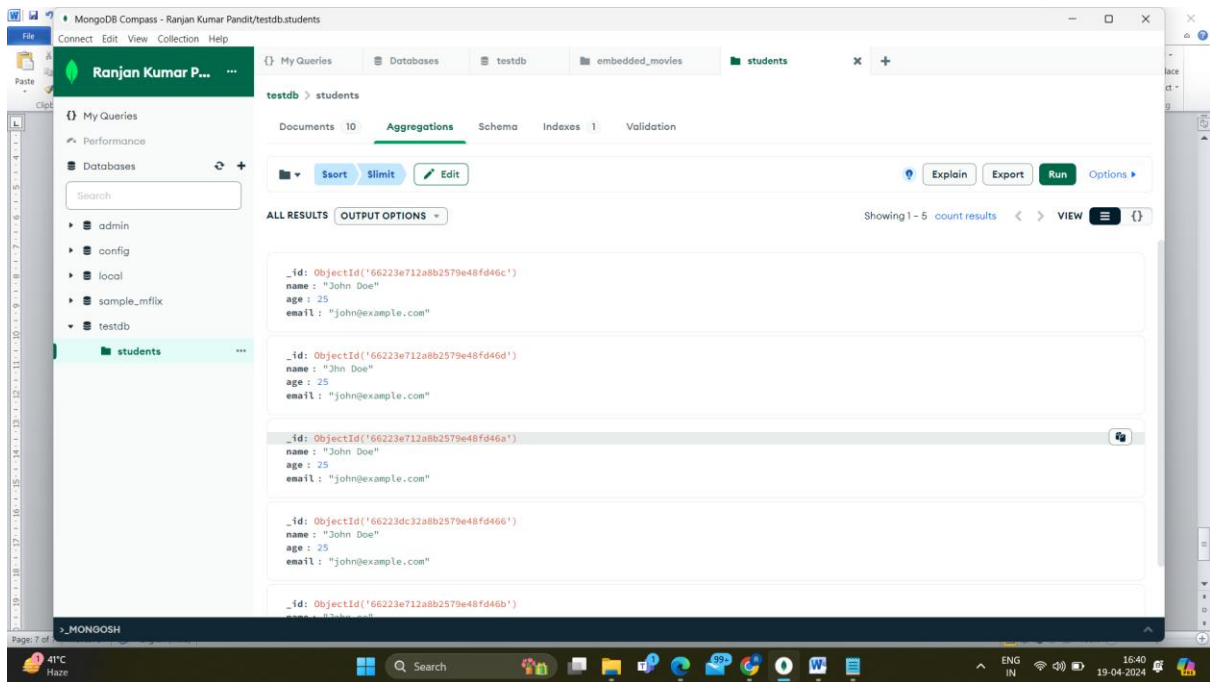
Stage 2 \$limit

```
1 /**
2  * Provide the number of documents to limit
3  */
4 5
```

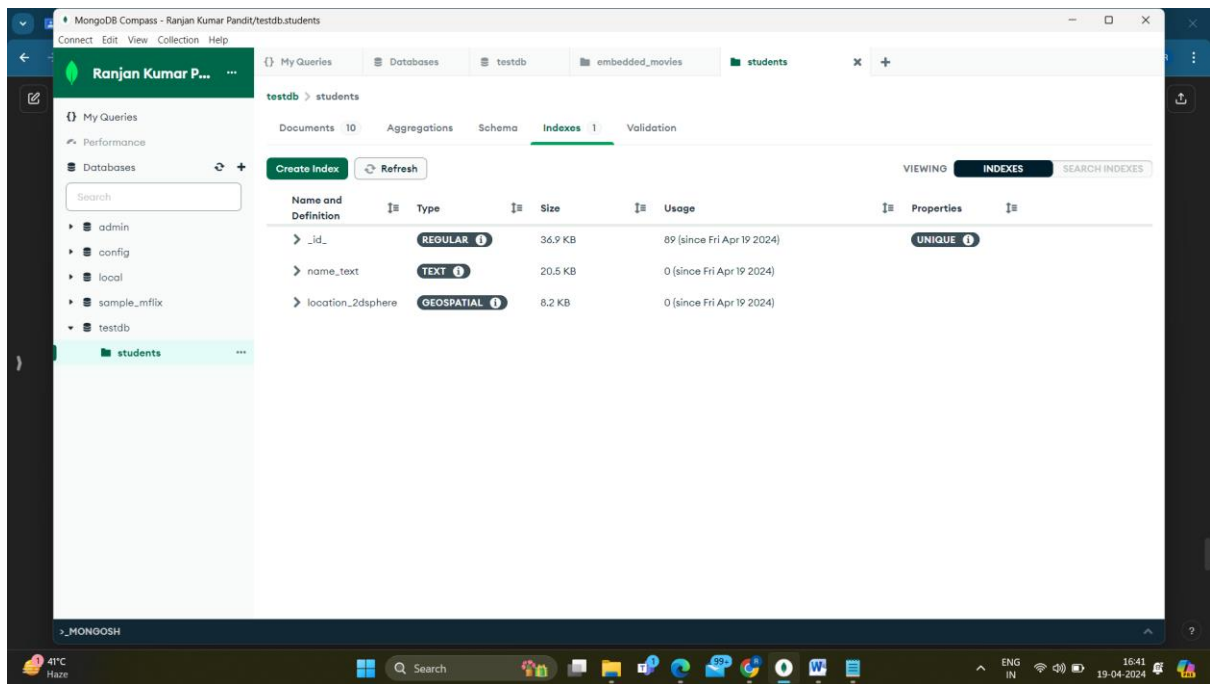
Output after \$limit stage (Sample of 5 documents)

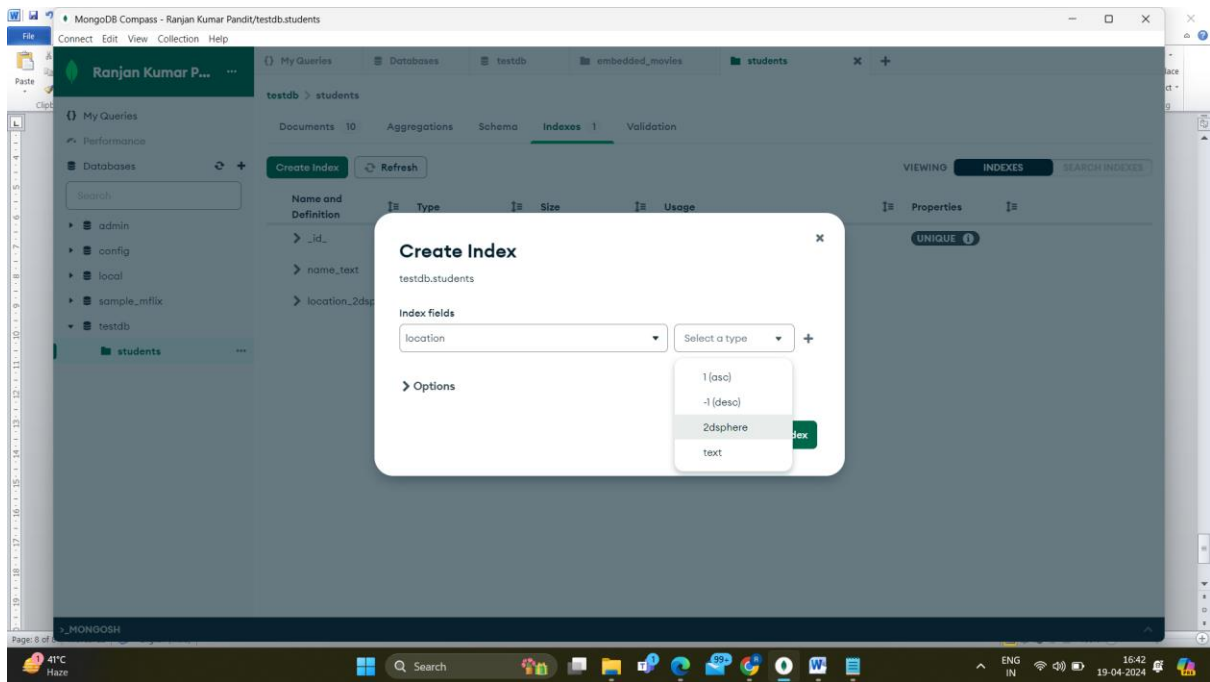
<pre>{ "_id": ObjectId('66223e712a8b2579e48fd46e'), "name": "John Doe", "age": 25, "email": "john@example.com" }</pre>	<pre>{ "_id": ObjectId('66223e712a8b2579e48fd46d'), "name": "John Doe", "age": 25, "email": "john@example.com" }</pre>
--	--

_MONGOSH

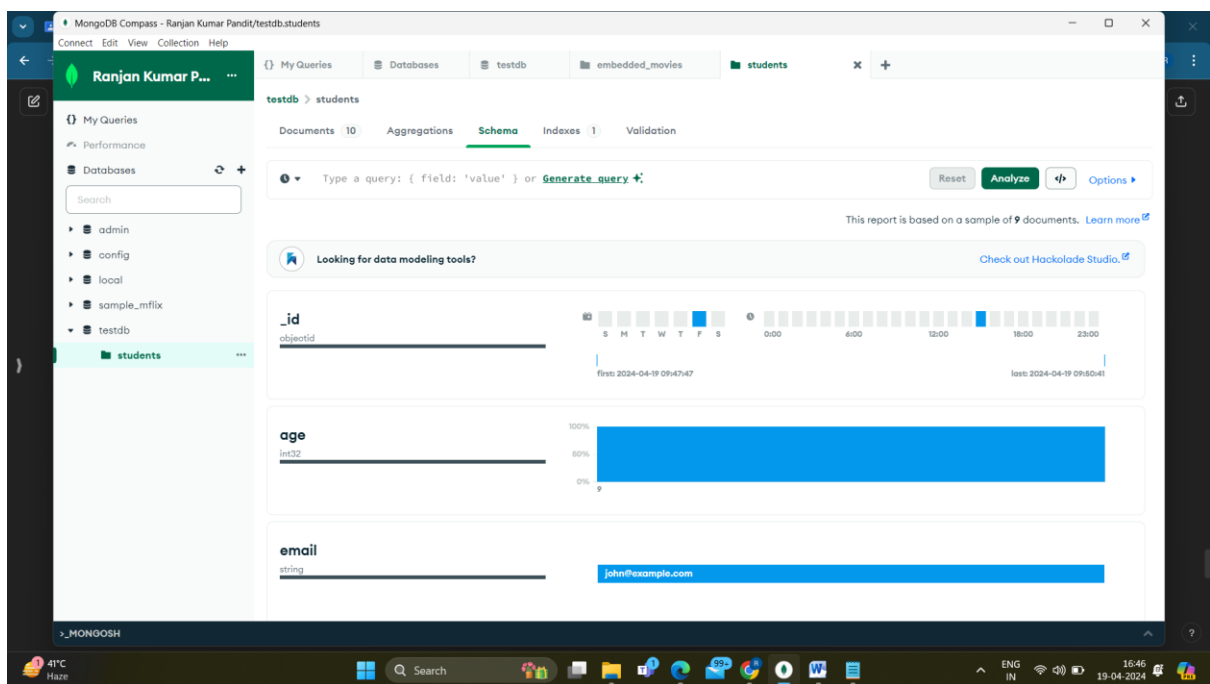


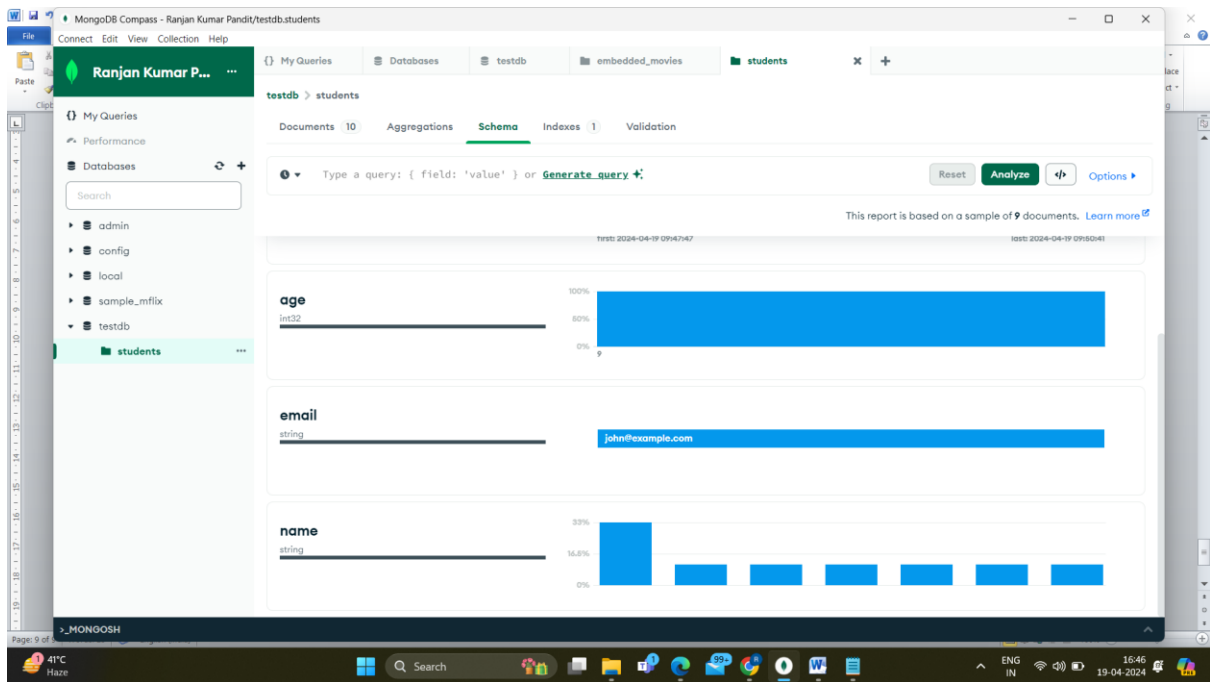
Q12.





Q13.





Q14.

