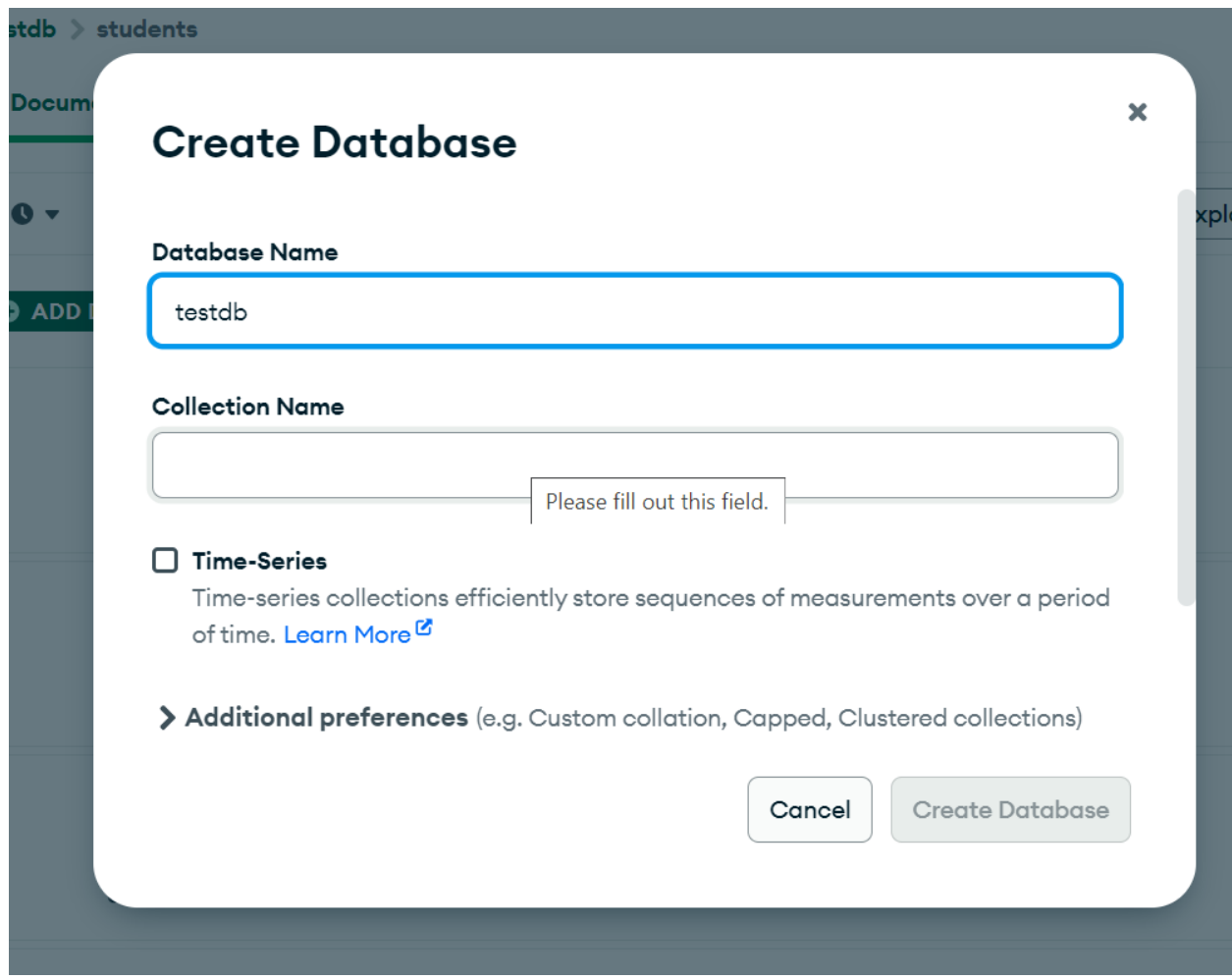


Name :MOHD ADNAN

Roll no. 22CS3040

Lab Assignment 10

1.



The screenshot shows a 'Create Database' dialog box from the MongoDB Compass interface. The dialog has a title bar with a close button (X). It contains two input fields: 'Database Name' with the value 'testdb' and 'Collection Name' which is empty. Below the 'Collection Name' field is a placeholder text 'Please fill out this field.' There is a checkbox labeled 'Time-Series' which is unchecked. Below this checkbox is a description: 'Time-series collections efficiently store sequences of measurements over a period of time. [Learn More](#)'. At the bottom of the dialog, there is a section titled 'Additional preferences' with a chevron icon, followed by the text '(e.g. Custom collation, Capped, Clustered collections)'. At the very bottom right, there are two buttons: 'Cancel' and 'Create Database'.

Database Name

testdb

Collection Name

Please fill out this field.

☐ **Time-Series**

Time-series collections efficiently store sequences of measurements over a period of time. [Learn More](#)

➤ **Additional preferences** (e.g. Custom collation, Capped, Clustered collections)

Cancel Create Database

2.

Create Database

Database Name

testdb

Collection Name

student

☐ Time-Series

Time-series collections efficiently store sequences of measurements over a period of time. [Learn More](#)

➤ **Additional preferences** (e.g. Custom collation, Capped, Clustered collections)

Cancel

Create Database

3.

MongoDB Compass - localhost:27017/testdb.students

Connect Edit View Collection Help

localhost:27017

My Queries Performance Databases

Search

Lab Test admin config local testdb

students

My Queries students students

testdb > students

Documents 10 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE









































1 - 10 of 10

```
{
  "_id": {},
  "name": "John Doe",
  "age": 25,
  "email": "john.doe@example.com"
}
```

```
{
  "_id": {},
  "name": "Jane Smith",
  "age": 30,
  "email": "jane.smith@example.com"
}
```

```
{
  "_id": {},
  "name": "Alice Johnson",
  "age": 22,
  "email": "alice.johnson@example.com"
}
```

5.

students					
	_id ObjectId	name String	age Int32	email String	
1	ObjectId('660bed883f4dacb...	"John Doe"	25	"john.doe@example.com"	   
2	ObjectId('660bedb13f4dacb...	"Jane Smith"	30	"jane.smith@example.com"	   
3	ObjectId('660beebe3f4dacb...	"Alice Johnson"	22	"alice.johnson@example.co...	   
4	ObjectId('660beed03f4dacb...	"Bob Brown"	28	"bob.brown@example.com"	   
5	ObjectId('660beeee3f4dacb...	"Emily Davis"	26	"emily.davis@example.com"	   
6	ObjectId('660bef183f4dacb...	"Michael Wilson"	24	"michael.wilson@example.c...	   
7	ObjectId('660bef2a3f4dacb...	"Sophia Martinez"	29	"michael.wilson@example.com"	   
8	ObjectId('660bef5a3f4dacb...	"Olivia Taylor"	23	"olivia.taylor@example.co...	   
9	ObjectId('660bef6a3f4dacb...	"William Anderson"	27	"william.anderson@example...	   
10	ObjectId('660bef7a3f4dacb...	"Sophia Martinez"	29	"sophia.martinez@example...	   

6.

localhost:27017

My Queries

Performance

Databases

Lab

Test

admin

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My Queries

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students

testdb > students

Documents 10 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 10 of 10

1 {

2 " _id": {},

5 "name": "Jane Smith",

6 "age": 35,

7 "email": "jane.smith@example.com"

8 }

1 {

2 " _id": {},

5 "name": "Alice Johnson",

6 "age": 254,

7 "email": "alice.johnson@example.com"

8 }

Document modified.

1 {

2 " _id": {},

5 "name": "Bob Brown",

CANCEL

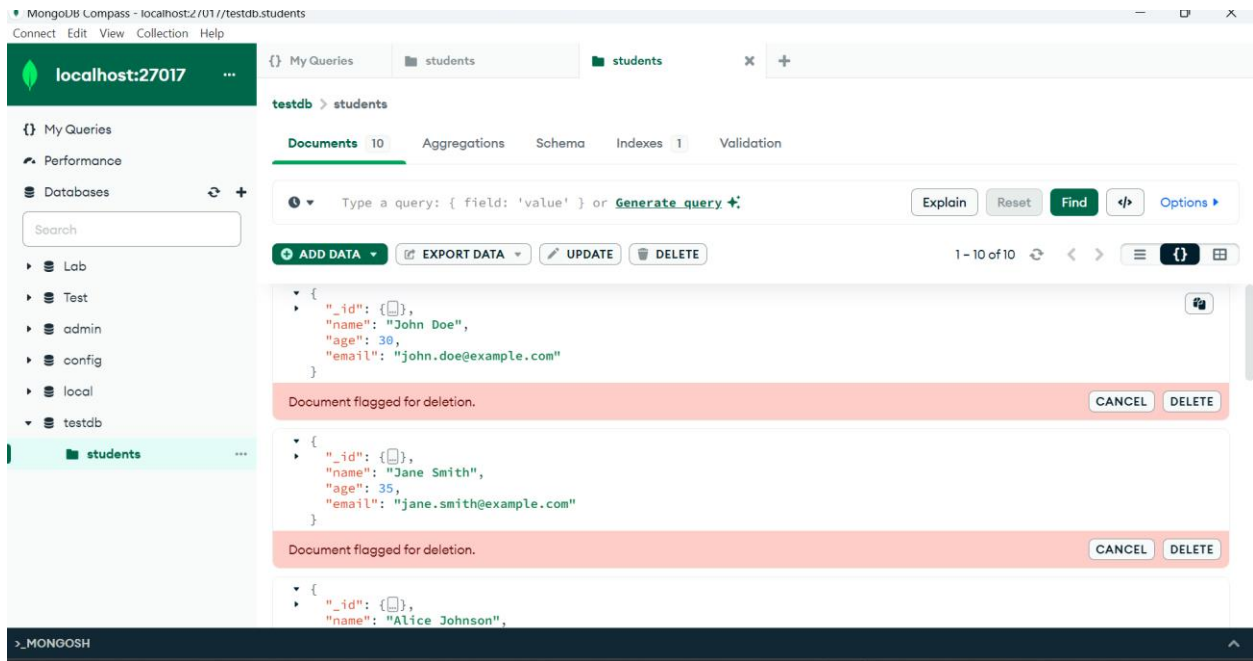
REPLACE

CANCEL

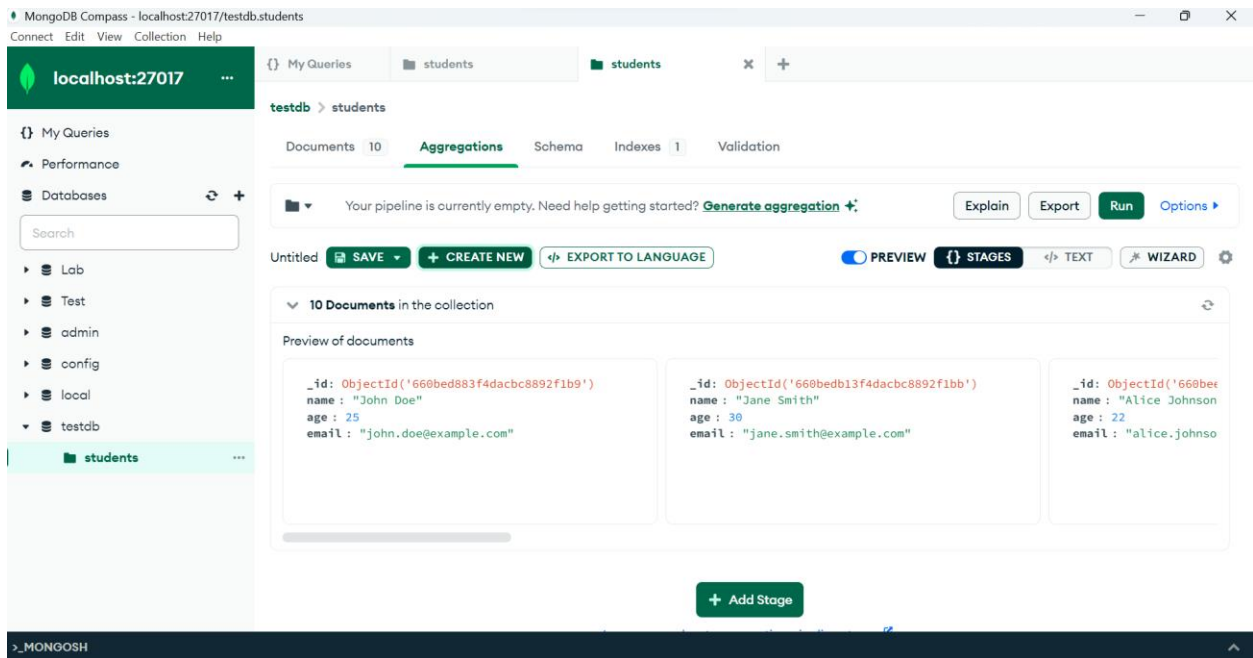
REPLACE

>_MONGOSH

7.



8.



9.

localhost:27017 ...

My Queries

Performance

Databases

Search

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admin

config

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testdb

students

My Queries students students

testdb > students

Documents 10 Aggregations Schema Indexes 1 Validation

Create Index Refresh

VIEWING INDEXES SEARCH INDEXES

Name and Definition	Type	Size	Usage	Properties
> _id_	REGULAR	36.9 KB	23 (since Tue Apr 02 2024)	UNIQUE
> name_1	REGULAR	20.5 KB	0 (since Tue Apr 02 2024)	HIDDEN