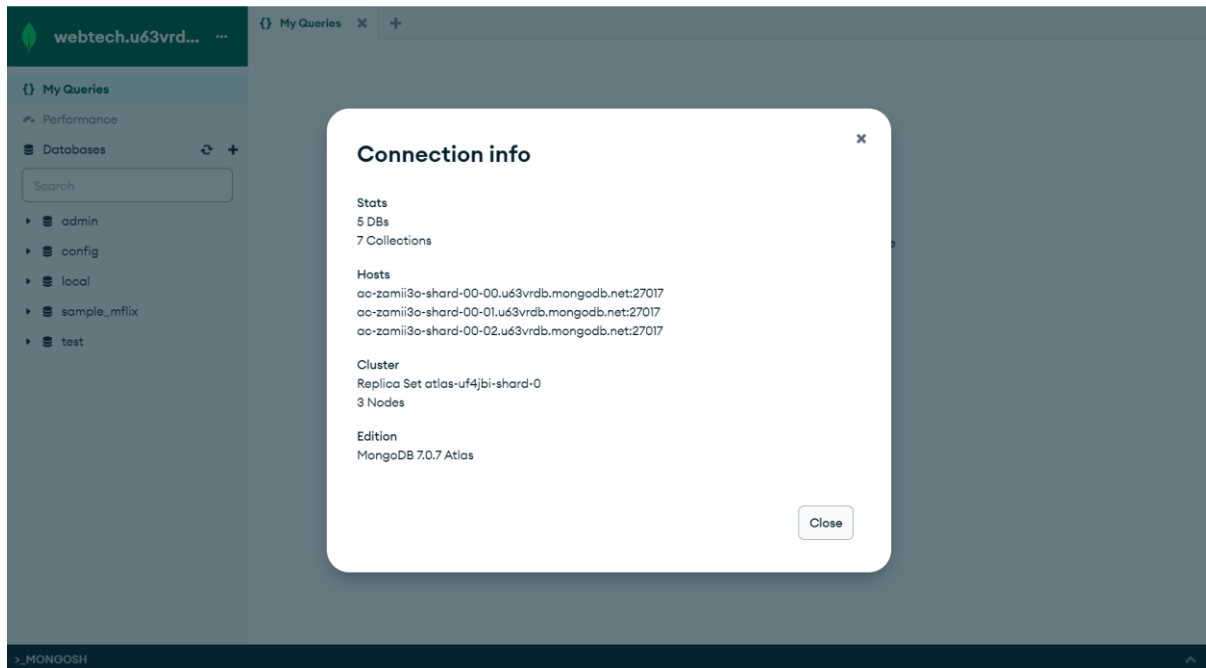
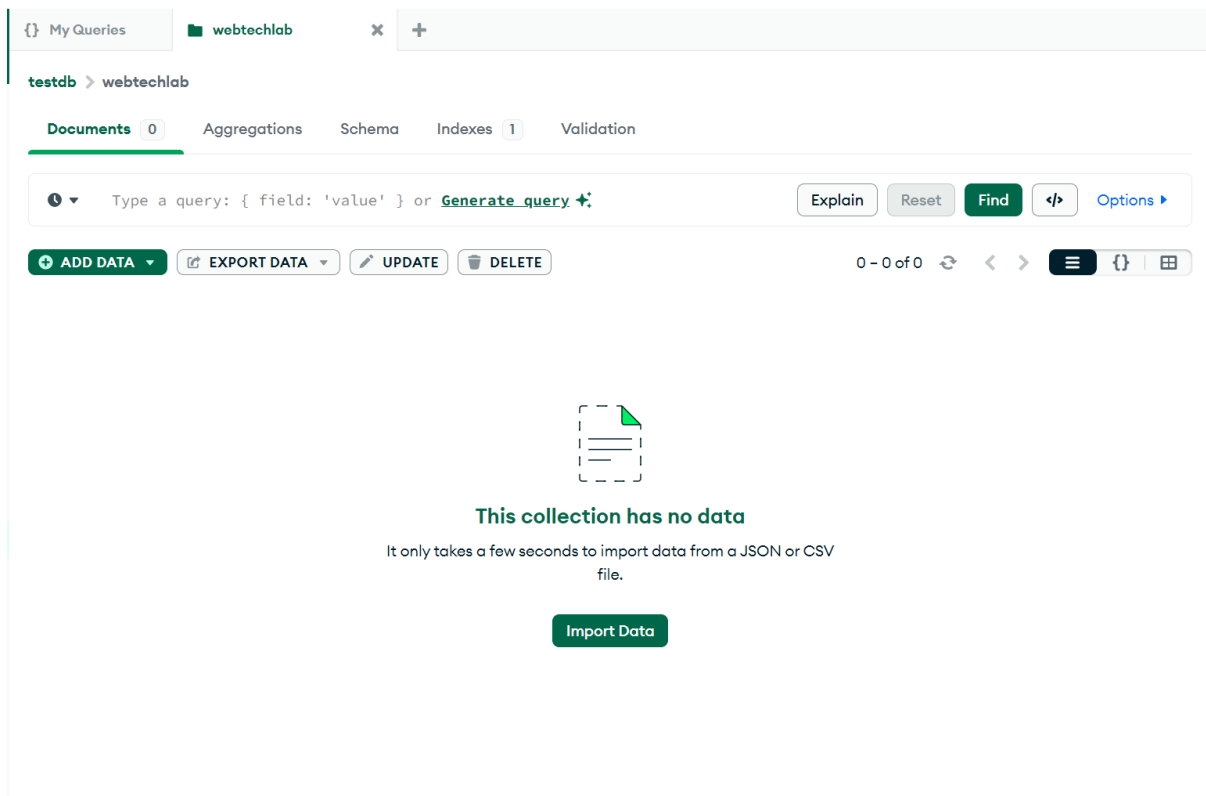


## LAB-10

T1



T2



T3

My Queries

students

+

testdb > students

Documents 0

Aggregations

Schema

Indexes 1

Validation

🕒

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

Explain

Reset

Find

⌘

Options

➕ ADD DATA

📄 EXPORT DATA

✎ UPDATE

🗑 DELETE

0 - 0 of 0


↺

↻

☰

{ }

📄



**This collection has no data**

It only takes a few seconds to import data from a JSON or CSV file.

Import Data

T4

My Queries

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: ObjectId('660be1caaa128b67c0e7f94')
name: "Student1"
age: 20
email: "student1@example.com"
```

```
_id: ObjectId('660be1caaa128b67c0e7f95')
name: "Student2"
age: 22
email: "student2@example.com"
```

```
_id: ObjectId('660be1caaa128b67c0e7f96')
name: "Student3"
age: 19
email: "student3@example.com"
```

```
_id: ObjectId('660be1caaa128b67c0e7f97')
name: "Student4"
age: 21
email: "student4@example.com"
```

T5


My Queries



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      

students

	_id ObjectId	name String	age Int32	email String	
1	ObjectId('660bealcaaa128b...	"Student1"	20	"student1@example.com"	   
2	ObjectId('660bealcaaa128b...	"Student2"	22	"student2@example.com"	   
3	ObjectId('660bealcaaa128b...	"Student3"	19	"student3@example.com"	   
4	ObjectId('660bealcaaa128b...	"Student4"	21	"student4@example.com"	   
5	ObjectId('660bealcaaa128b...	"Student5"	24	"student5@example.com"	   
6	ObjectId('660bealcaaa128b...	"Student6"	26	"student6@example.com"	   
7	ObjectId('660bealcaaa128b...	"Student7"	23	"student7@example.com"	   
8	ObjectId('660bealcaaa128b...	"Student8"	20	"student8@example.com"	   
9	ObjectId('660bealcaaa128b...	"Student9"	19	"student9@example.com"	   
10	ObjectId('660bealcaaa128b...	"Student10"	22	"student10@example.com"	   

T6




My Queries



students

+

testdb > students

Documents 10 Aggregations Schema Indexes 1 Validation

  {} [Generate query](#) 







Explain Reset Find  Options 

ADD DATA







































EXPORT DATA

UPDATE

DELETE

1 - 10 of 10      

students

	_id ObjectId	name String	age Int32	email String	
1	ObjectId('660bealcaaa128b...	"Student1"	20	"student1@example.com"	   
2	ObjectId('660bealcaaa128b...	"Student2"	22	"student2@example.com"	   
3	ObjectId('660bealcaaa128b...	"Student3"	<div><div>19</div><div>Int32</div><div></div><div></div></div>		<div><div></div><div></div><div></div></div>
<div>CANCEL UPDATE</div>					
4	ObjectId('660bealcaaa128b...	"Student4"	21	"student4@example.com"	   
5	ObjectId('660bealcaaa128b...	"Student5"	24	"student5@example.com"	   
6	ObjectId('660bealcaaa128b...	"Student6"	26	"student6@example.com"	   
7	ObjectId('660bealcaaa128b...	"Student7"	23	"student7@example.com"	   
8	ObjectId('660bealcaaa128b...	"Student8"	20	"student8@example.com"	   
9	ObjectId('660bealcaaa128b...	"Student9"	19	"student9@example.com"	   
10	ObjectId('660bealcaaa128b...	"Student10"	22	"student10@example.com"	   

My Queries

students

testdb > students

Documents 10AggregationsSchemaIndexes 1Validation

Generate query

Explain

Reset

Find

Options

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 10 of 10

students

	_id ObjectId	name String	age Int32	email String	
1	ObjectId('660bealcaaa128b...	"Student1"	20	"student1@example.com"	<div></div>
2	ObjectId('660bealcaaa128b...	"Student2"	22	"student2@example.com"	<div></div>
3	ObjectId('660bealcaaa128b...	"Student3"	20	"student3@example.com"	<div></div>
4	ObjectId('660bealcaaa128b...	"Student4"	21	"student4@example.com"	<div></div>
5	ObjectId('660bealcaaa128b...	"Student5"	24	"student5@example.com"	<div></div>
6	ObjectId('660bealcaaa128b...	"Student6"	26	"student6@example.com"	<div></div>
7	ObjectId('660bealcaaa128b...	"Student7"	23	"student7@example.com"	<div></div>
8	ObjectId('660bealcaaa128b...	"Student8"	20	"student8@example.com"	<div></div>
9	ObjectId('660bealcaaa128b...	"Student9"	19	"student9@example.com"	<div></div>
10	ObjectId('660bealcaaa128b...	"Student10"	22	"student10@example.com"	<div></div>

T7

My Queries

students

testdb > students

Documents 10AggregationsSchemaIndexes 1Validation

Generate query

Explain

Reset

Find

Options

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 1 of 1

ObjectId('660bealcaaa128b67c0e7f98')

"Student5"

24

"student5@example.com"

My Queries

students

testdb > students

Documents 10 Aggregations Schema Indexes 1 Validation

🕒

{ "name": "Student5" }

Generate query

Explain

Reset

Find

</>

Options

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 1 of 1

```
_id: ObjectId('660bea1caaa128b67c0e7f98')
name: "Student5"
age: 24
email: "student5@example.com"
```

Document flagged for deletion.

CANCEL DELETE

My Queries

students

testdb > students

Documents 9 Aggregations Schema Indexes 1 Validation

🕒

{ "name": "Student5" }

Generate query

Explain

Reset

Find

</>

Options

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 0 of 0



### No results

Try modifying your query to get results.

T8

testdb > students

Documents 9 Aggregations Schema Indexes 1 Validation

Generate aggregation + Explain Export Run Options

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

Stage 1 \$group

```
1 {
2   _id: null,
3   averageAge: { $avg: "$age" }
4 }
```

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

```
_id: null
averageAge: 21.444444444444443
```

T9

webtech.u63vrd...

testdb > students

Documents 9 Aggregations Schema Indexes 1 Validation

Create Index Refresh

VIEWING INDEXES SEARCH INDEXES

Properties

UNIQUE

Create Index

testdb.students

Index fields

name 1 (asc)

Options

Cancel Create Index

My Queries

students

testdb > students

Documents 9 Aggregations Schema **Indexes 1** Validation

Create Index Refresh

VIEWING INDEXES SEARCH INDEXES

Name and Definition	Type	Size	Usage	Properties
> _id_	REGULAR ⓘ	36.9 KB	9 (since Tue Apr 02 2024)	UNIQUE ⓘ
> name_1	REGULAR ⓘ	20.5 KB	0 (since Tue Apr 02 2024)	

T10

webtech.u63vrd...

My Queries

students

testdb > students

Documents 9 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or **Generate query** ⚡

Explain Reset Find ⌂ Options

1 - 9 of 9

Export

Collection testdb.students

Export File Type

JSON

CSV

> Advanced JSON Format

Cancel Export...

email: "student3@example.com"

```
_id: ObjectId('660be1caal28b67c8e7f97')
name: "Student4"
age: 21
email: "student4@example.com"
```

> MONGODB

webtech.u63vrd...

My Queries

Performance

Databases

Search

admin

config

local

sample\_mflix

test

WebTechnology

testdb

students

My Queries

students

testdb > students

Documents 9 Aggregations Schema Indexes 1 Validation

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

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 9 of 9

\_id: ObjectId('660bealcaaa128b67c0e7f94')

name: "Student1"

age: 20

email: "student1@example.com"

\_id: ObjectId('660bealcaaa128b67c0e7f95')

name: "Student2"

age: 22

email: "student2@example.com"

\_id: ObjectId('660bealcaaa128b67c0e7f96')

name: "Student3"

age: 20

email: "student3@example.com"

\_id: ObjectId('660bealcaaa128b67c0e7f97')

name: "Student4"

email: "student4@example.com"

Export completed.  
9 documents written.  
[SHOW FILE](#)

T11

My Queries

students

testdb > students

Documents 9 Aggregations Schema Indexes 1 Validation

Sort Slimit

Generate aggregation

Explain Export Run Options

Untitled - modified [SAVE](#) [+ CREATE NEW](#) [EXPORT TO LANGUAGE](#)

PREVIEW STAGES TEXT WIZARD

10 Documents in the collection

Preview of documents

\_id: ObjectId('660bealcaaa128b67c0e7f94')

name: "Student1"

age: 20

email: "student1@example.com"

\_id: ObjectId('660bealcaaa128b67c0e7f95')

name: "Student2"

age: 22

email: "student2@example.com"

\_id: ObjectId('660bealcaaa128b67c0e7f96')

name: "Student3"

age: 20

email: "student3@example.com"

Stage1 \$sort

1 {  
2   age:-1  
3 }

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

\_id: ObjectId('660bealcaaa128b67c0e7f99')

name: "Student6"

age: 26

email: "student6@example.com"

\_id: ObjectId('660bealcaaa128b67c0e7f9a')

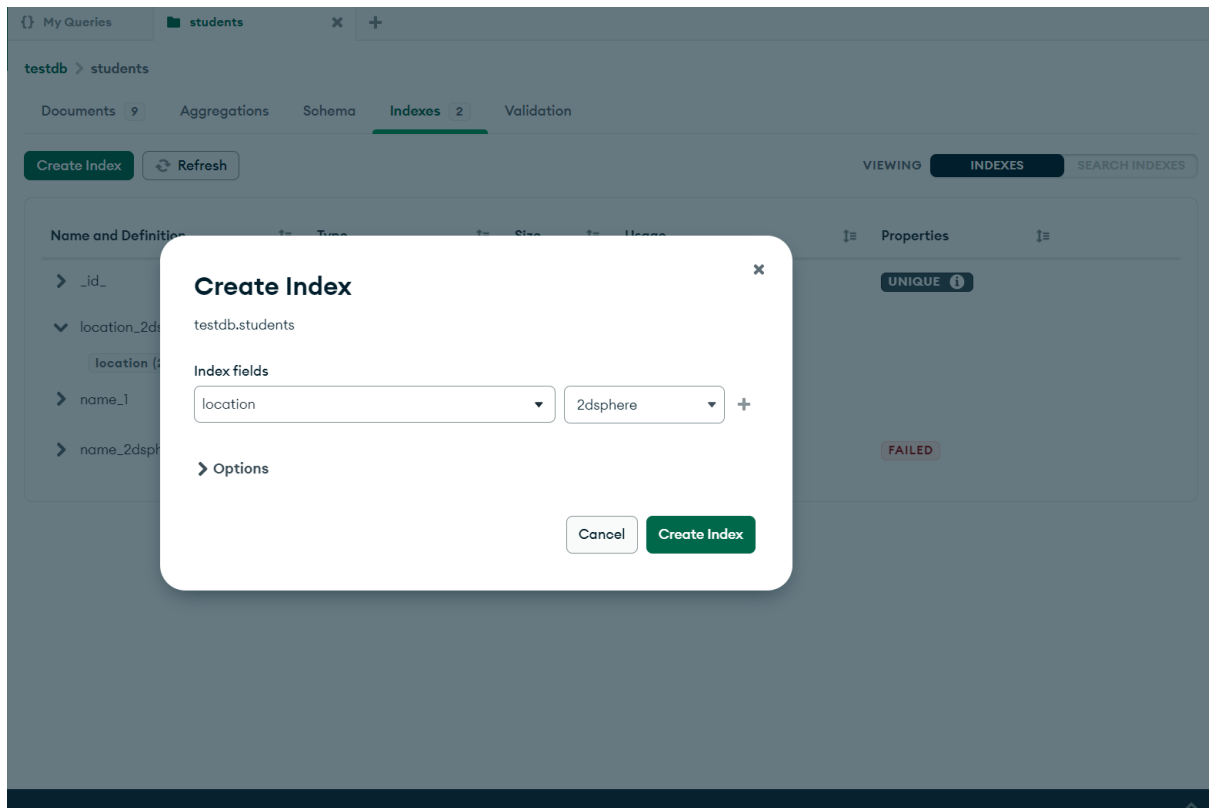
name: "Student7"

age: 23

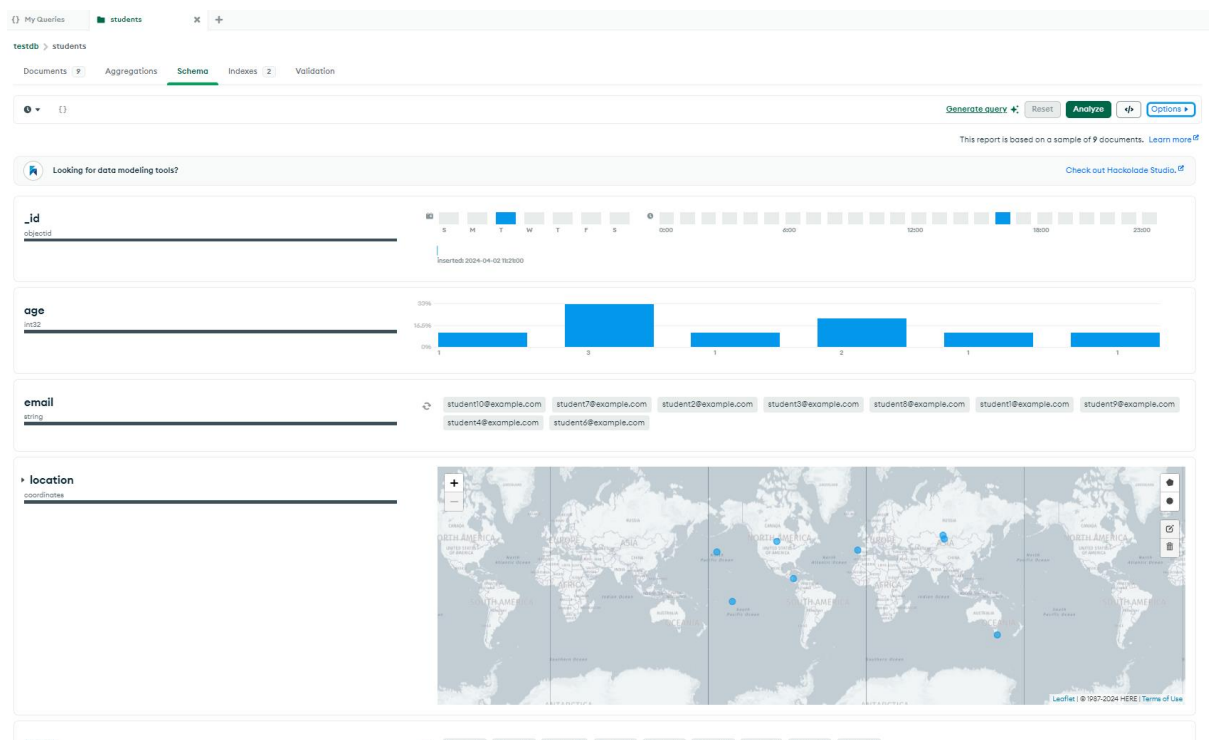
email: "student7@example.com"







T13



T14

My Queries

students

testdb > students

Documents 9 Aggregations Schema Indexes 2 Validation

Validation Action ⓘ Error Validation Level ⓘ Strict

```
1 {
2   "bsonType": "object",
3   "required": ["name"],
4   "properties": {
5     "name": {
6       "bsonType": "string",
7       "description": "must be a non-empty string and is required"
8     }
9   }
10 }
11 |
```

Validation modified

Cancel Update

Sample documents

Passed validation

Failed validation

Load document

Load document

My Queries

students

testdb > students

Documents 9 Aggregations Schema Indexes 2 Validation

Validation Action ⓘ Error Validation Level ⓘ Strict

```
1 {
2   bsonType: 'object',
3   required: [
4     'name'
5   ],
6   properties: {
7     name: {
8       bsonType: 'string',
9       description: 'must be a non-empty string and is required'
10    }
11  }
12 }
```

Sample documents

Passed validation

Failed validation

No Preview Documents

```
_id: ObjectId('660be1caaa128b67c0e7f95')
name: "Student2"
age: 22
email: "student2@example.com"
location: Object
```