

Name : UJJWAL KUMAR
Roll no.: 22CS3064

testDB.students

91DOCUMENTSINDEXES

DocumentsAggregationsSchemaIndexesValidation

Create IndexRefreshVIEWINGINDEXESSearch Indexes

Name and Definition	Type	Size	Usage	Properties
> _id_	REGULAR ⓘ	36.9 KB	10 (since Tue Apr 02 2024)	UNIQUE ⓘ
> location_2dsphere	GEOSPATIAL ⓘ	8.2 KB	0 (since Tue Apr 02 2024)	
> name_text	TEXT ⓘ	20.5 KB	0 (since Tue Apr 02 2024)	

testDB.students

101DOCUMENTSINDEXES

DocumentsAggregationsSchemaIndexesValidation

Filter ⓘ { "name": "Bob Johnson" }Generate query ⓘExplainResetFindOptions ▶

ADD DATAEXPORT DATA1 - 1 of 1

```
_id: ObjectId('660be40c82bc785bb7bbf5cd')
name: "Bob Johnson"
age: 21
email: "bob.johnson@example.com"
```

Document flagged for deletion.CANCELDELETE

> location_2dsphereGEOSPATIAL ⓘ8.2 KB0 (since Tue Apr 02 2024)

testDB.students

91DOCUMENTSINDEXES

DocumentsAggregationsSchemaIndexesValidation

Pipeline ⓘ\$groupExplainExportRunMore Options ▶

averageGenerateStagesText

Untitled - modifiedSAVECREATE NEWEXPORT TO LANGUAGEPREVIEWSTAGESTEXT

Stage 1\$group

```
1 {
2   _id: null,
3   average: {
4     $avg: "$age",
5   },
6 }
```

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

```
_id: null
average: 22.88888888888889
```

+ Add StageLearn more about aggregation pipeline stages ⓘ

Documents Aggregations Schema **Indexes** Validation

Create Index Refresh

VIEWING INDEXES SEARCH INDEXES

Name and Definition	Type	Size	Usage	Properties
> _id_	REGULAR	36.9 KB	8 (since Tue Apr 02 2024)	UNIQUE
> name_text	TEXT	20.5 KB	0 (since Tue Apr 02 2024)	

Project

Sort MaxTimeMS 60000

Collation { locale: 'simple' } Skip 0 Limit 0

[ADD DATA](#) [EXPORT DATA](#)

1 - 9 of 9

<pre>{ "name": "John Doe", "age": 35, "email": "john.doe@example.com" }</pre>
<pre>{ "_id": ObjectId('660be40c82bc705bb7bbf5d3'), "name": "James Brown", "age": 24, "email": "james.brown@example.com" }</pre>
<pre>{ "_id": ObjectId('660be40c82bc705bb7bbf5ce'), "name": "Emily Davis", "age": 23, "email": "emily.davis@example.com" }</pre>
<pre>{ "_id": ObjectId('660be40c82bc705bb7bbf5cc'), "name": "Alice Smith", "age": 22, "email": "alice.smith@example.com" }</pre>

Create Database

Database Name

Collection Name

☐ **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)

i Before MongoDB can save your new database, a collection name must also be specified at the time of creation. [More Information](#)

[Cancel](#) [Create Database](#)

testDB.students

10 1
DOCUMENTS INDEXES

Documents Aggregations Schema Indexes Validation

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

[Explain](#) [Reset](#) [Find](#) [Options](#)

[ADD DATA](#) [EXPORT DATA](#)

1 - 10 of 10

```
{
  "_id": ObjectId('660be40c82bc785bb7bbf5cb'),
  "name": "John Doe",
  "age": 20,
  "email": "john.doe@example.com"
}
```

```
{
  "_id": ObjectId('660be40c82bc785bb7bbf5cc'),
  "name": "Alice Smith",
  "age": 22,
  "email": "alice.smith@example.com"
}
```

```
{
  "_id": ObjectId('660be40c82bc785bb7bbf5cd'),
  "name": "Bob Johnson",
  "age": 21,
  "email": "bob.johnson@example.com"
}
```

```
{
  "_id": ObjectId('660be40c82bc785bb7bbf5ce'),
  "name": "Emily Davis",
  "age": 23,
  "email": "emily.davis@example.com"
}
```

```
{
  "_id": ObjectId('660be40c82bc785bb7bbf5cf'),
  "name": "Michael Wilson"
}
```

Insert Document

To collection testDB.students

VIEW

```
1 [
2   {
3     "name": "John Doe",
4     "age": 20,
5     "email": "john.doe@example.com"
6   },
7   {
8     "name": "Alice Smith",
9     "age": 22,
10    "email": "alice.smith@example.com"
11  },
12  {
13    "name": "Bob Johnson",
14    "age": 21,
15    "email": "bob.johnson@example.com"
16  },
17  {
18    "name": "Emily Davis",
19    "age": 23,
20    "email": "emily.davis@example.com"
21  },
22  {
23    "name": "Michael Wilson",
24    "age": 19,
25    "email": "michael.wilson@example.com"
26  },
27  {
28    "name": "Sophia Martinez",
```

Cancel

Insert

×

Export

Collection testDB.students

Export File Type

JSON

CSV

> Advanced JSON Format

Cancel

Export...

testDB.students

91DOCUMENTSINDEXES

DocumentsAggregationsSchemaIndexesValidation

Filter {}

Generate query +ResetAnalyzeOptions

Project { field: 0 }

Sort {"age": -1}

Collation { locale: 'simple' }

MaxTimeMS 60000

Skip 0Limit 0

This report is based on a sample of 9 documents. [Learn more](#)

Looking for data modeling tools? [Check out Hackolade Studio.](#)

_id

objectId

SMTWTFSS

0:006:0012:0018:0023:00

Inserted: 2024-04-02 10:55:08

age

int32

22%

11%

0%

12121111

testDB.students

101DOCUMENTSINDEXES

DocumentsAggregationsSchemaIndexesValidation

Filter

{ "name": "Bob Johnson" }

Generate query

Explain

Reset

Find

Options

ADD DATA

EXPORT DATA

1 - 1 of 1

```
{
  "_id": ObjectId("660be40c82bc705bb7bbf5cd"),
  "name": "Bob Johnson",
  "age": 21,
  "email": "bob.johnson@example.com"
}
```

Document flagged for deletion.

CANCELDELETE

MongoDB Compass - localhost:27017

ConnectEditViewHelp

localhost:27017

My QueriesDatabasesPerformance

My Queries

Databases

Search

Validation ActionErrorValidation LevelStrict

```
1 {
2   required: [
3     'name'
4   ],
5   properties: {
6     name: {
7       bsonType: 'string',
8       description: 'Name must be a present.'
9     }
10  }
11 }
```

Sample documents

Passed validation

No Preview Documents

Failed validation

```
{
  "_id": ObjectId("660be40c82bc705bb7bbf5d0"),
  "name": "Sophia Martinez",
  "age": 20,
  "email": "sophia.martinez@example.com"
}
```

Create Database

Database Name

testDB

Collection Name

students

☐ 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

testDB.students

101DOCUMENTSINDEXES

Documents

Aggregations

Schema

Indexes

Validation

Filter

{

"name": "John Doe"

}

Generate query

Explain

Reset

Find

Options

ADD DATA

EXPORT DATA

1 - 1 of 1

1	_id: ObjectId('660be40c82bc705bb7bbf5cb')	ObjectId
2	name: "John Doe"	String
3	age: 28	Int32
4	email: "john.doe@example.com"	String

CANCEL

UPDATE

Filter

{

"name": "John Doe"

}

Generate query

Explain

Reset

Find

Options

ADD DATA

EXPORT DATA

1 - 1 of 1

_id: ObjectId('660be48c82bc785bb7bbf5cb')

name: "John Doe"

age: 35

email: "john.doe@example.com"