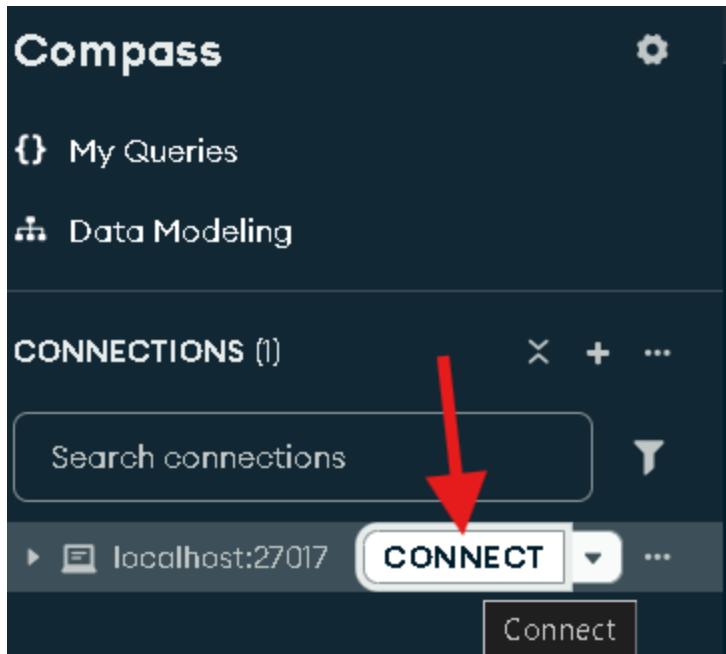


## Create database and collection, and delete database using VS Code Terminal:

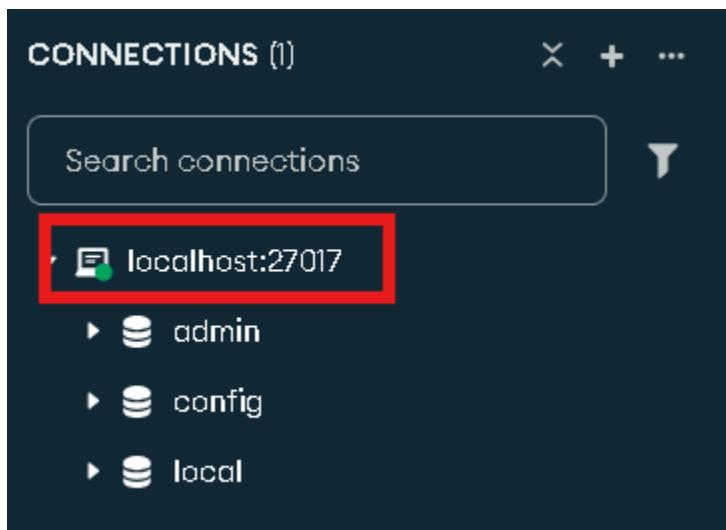
Show Databases	<b>show dbs</b>	<pre>test&gt; show dbs admin   40.00 KiB config  36.00 KiB local   64.00 KiB</pre>
Choose Database	<b>use admin</b>	<pre>test&gt; use admin switched to db admin</pre>
To create new Database and use the Database	<b>use school</b>	<pre>admin&gt; use school switched to db school school&gt; show dbs admin   40.00 KiB config  72.00 KiB local   64.00 KiB school&gt;</pre> <p>Doe's not show because its empty</p>
To Create a collection within Database	<b>db.createCollection("students")</b>	<pre>school&gt; db.createCollection("students") { ok: 1 } school&gt; show dbs admin   40.00 KiB config  88.00 KiB local   64.00 KiB school  8.00 KiB</pre>
To Drop a Database	<b>db.dropDatabase()</b>	<pre>school&gt; db.dropDatabase() { ok: 1, dropped: 'school' } school&gt; show dbs admin   40.00 KiB config  88.00 KiB local   64.00 KiB school&gt;</pre>

## Create database and collection, and delete database using Compass:

1. Connect



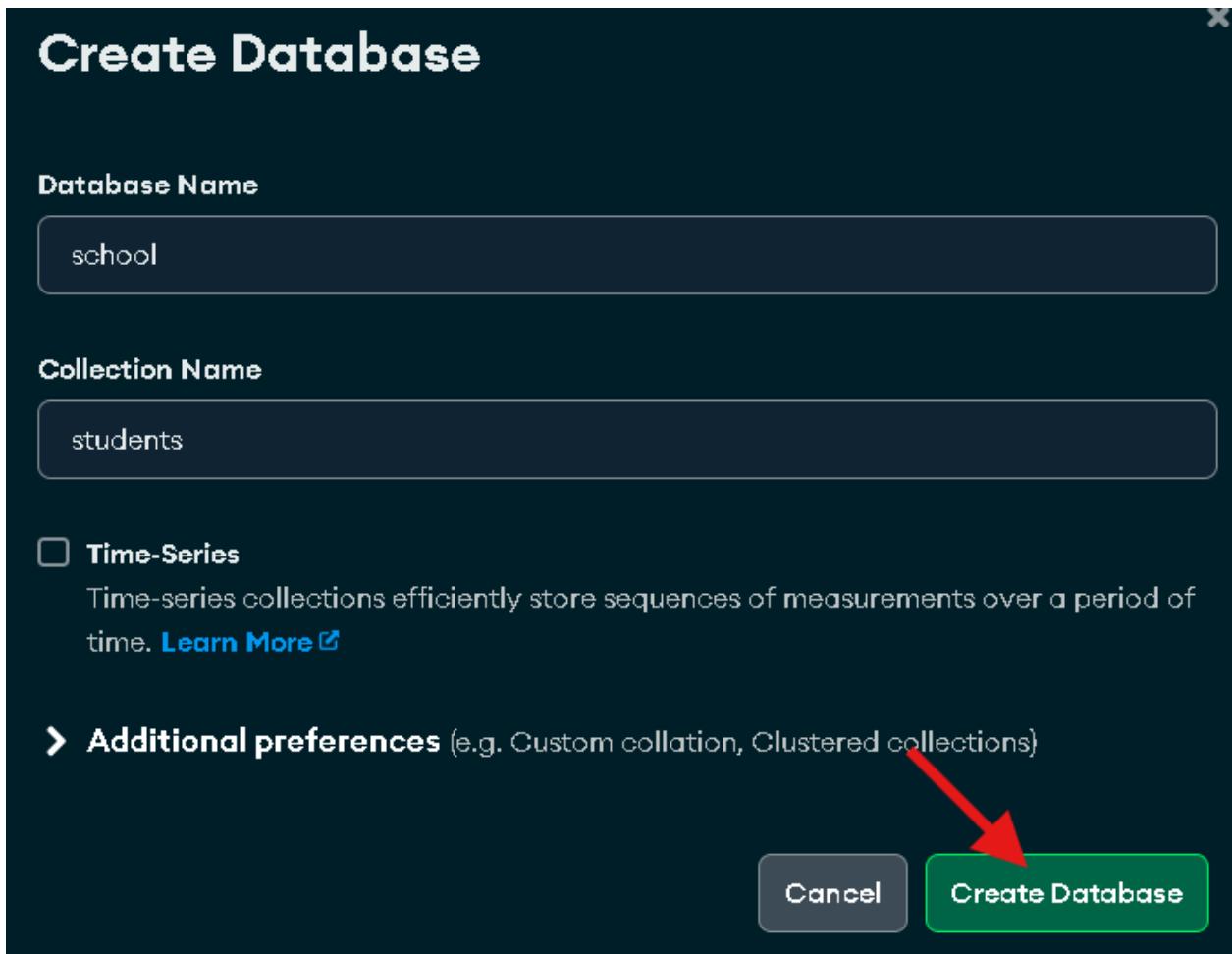
Click on localhost



Create Database:

The screenshot shows the 'localhost:27017' database details. At the top right, there is a green button labeled '+ Create database'. An arrow points to this button from the text above. The database list shows three databases: 'admin', 'config', and 'local'. Each database has associated storage size, collection count, and index count.

Database name	Storage size	Collections	Indexes
admin	20.48 kB	1	1
config	36.86 kB	1	2
local	32.77 kB	1	1



My Queries

Data Modeling

CONNECTIONS ()

- localhost:27017
  - admin
  - config
  - local
  - school
    - students

localhost:27017 > school > students

Documents 0 Aggregations Schema Indexes 1 Validation

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

ADD DATA UPDATE DELETE EXPORT DATA EXPORT CODE Explain Reset Find Options

This collection has no data

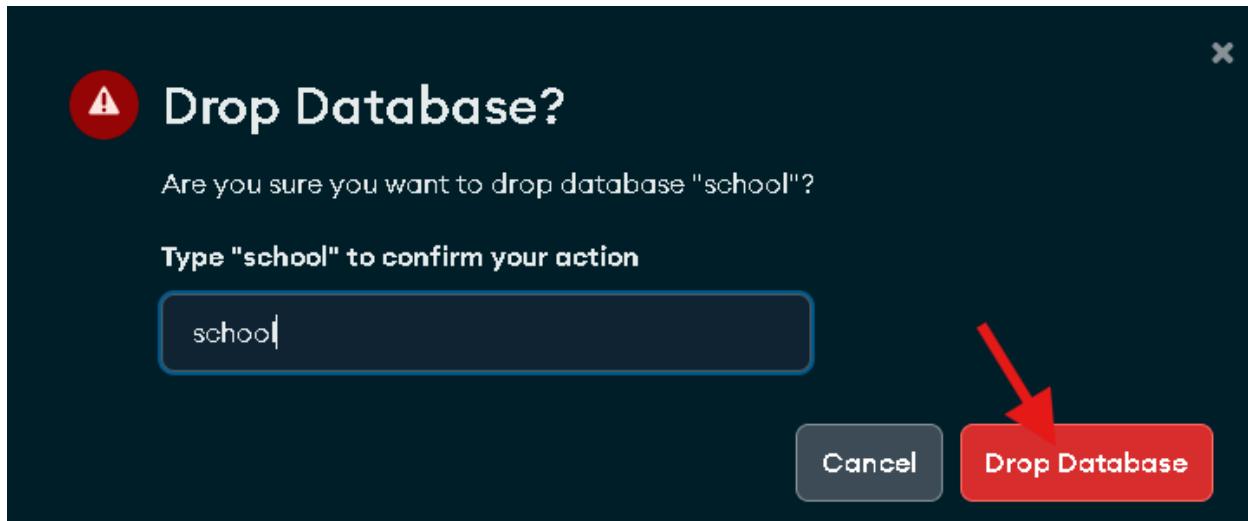
It only takes a few seconds to import data from a JSON or CSV file.

Import data

Students does not have any documents yet.

To Delete a Database:





## Commands:

Insert documents into MongoDB database	db.students.insertOne({name: "spongebob", age: 30, gpa: 3.2})	<pre>school&gt; db.students.insertOne({name: "spongebob", age: 30, gpa: 3.2}) {   acknowledged: true,   insertedId: ObjectId('69804ab8864a660af4628ca0') } school&gt; </pre>
To show documents within collection	db.students.find()	<pre>school&gt; db.students.find() [   {     _id: ObjectId('69804ab8864a660af4628ca0'),     name: 'spongebob',     age: 30,     gpa: 3.2   } ] school&gt; </pre> <p>One document in the collection.</p>
Inserting 3 or more than one documents into mongoDB database	db.students.insertMany([{name: "patrick", age: 38, gpa: 1.5}, {name: "sandy", age: 27, gpa: 4.0}, {name: "gary", age: 18, gpa: 2.5}])	<pre>{   acknowledged: true,   insertedIds: [     '0': ObjectId('698075a0c41c5afdf628ca0'),     '1': ObjectId('698075a0c41c5afdf628ca1'),     '2': ObjectId('698075a0c41c5afdf628ca2')   ] }</pre>

## Inserting document using *MongoDB Compass*:

The screenshot shows the MongoDB Compass interface. On the left, the 'CONNECTIONS' sidebar lists connections to 'localhost:27017', including 'admin', 'config', 'local', and 'school'. A red arrow points from the text below to the 'school' connection. The main panel shows the database 'school' selected, with the 'students' collection highlighted. The 'Documents' tab is active, showing 4 documents. Below it, there's a search bar, an 'ADD DATA' button, and an 'Import JSON or CSV file' section. A red box highlights the 'Insert document' button. At the bottom, a sample document is shown with the '\_id' field as an ObjectId and 'name' set to 'patrick'.

```
_id: ObjectId('698075a0c41b8864')
name : "patrick"
```

remove:

```
/**  
 * Paste one or more documents here  
 */  
{  
  "_id": {  
    "$oid": "698078cfaa017ce650cd8096"  
  }  
}
```

To remove the error shown below:

# Insert Document

To collection school.students

VIEW



```
1  [{name: "mongo", age: 32, gpa: 3.2}]
```



Expected property name or '}' in JSON at position 1 (line 1 column 2)

Cancel

Insert

The screenshot shows the MongoDB Compass interface with a modal dialog titled "Insert Document". The modal is set to insert into the "school.students" collection. The document being inserted is:

```
1  { "name": "mongo", "age": 32, "gpa": 3.2 }
```

At the bottom of the modal, there are two buttons: "Cancel" and "Insert". A red arrow points to the "Insert" button. To the right of the modal, the result of the insertion is shown in the main interface:

```
_id: ObjectId('69807998aa017ce650cd8097')
name : "mongo"
age : 32
gpa : 3.2
```

To add more than one document:

## Insert Document

To collection school.students

VIEW



```
1 ▼ [{name: "Name1", age: 12, gpa: 1.2},  
2     {name: "Name2", age: 22, gpa: 2.4},  
3     {name: "Name3", age: 42, gpa: 6.2}]
```



Expected property name or '}' in JSON at position 2 (line 1 column 3)

Cancel

Insert

# Insert Document

To collection school.students

VIEW



```
1 ▾ [  
2     { "name": "Name1", "age": 12, "gpa": 1.2 },  
3     { "name": "Name2", "age": 22, "gpa": 2.4 },  
4     { "name": "Name3", "age": 42, "gpa": 6.2 }  
5 ]
```

Cancel

Insert



```
_id: ObjectId('69807998aa017ce650cd8097')
name : "mongo"
age : 32
gpa : 3.2
```

```
_id: ObjectId('69807a96aa017ce650cd8099')
name : "Name1"
age : 12
gpa : 1.2
```

```
_id: ObjectId('69807a96aa017ce650cd809a')
name : "Name2"
age : 22
gpa : 2.4
```

```
_id: ObjectId('69807a96aa017ce650cd809b')
name : "Name3"
age : 42
gpa : 6.2
```