

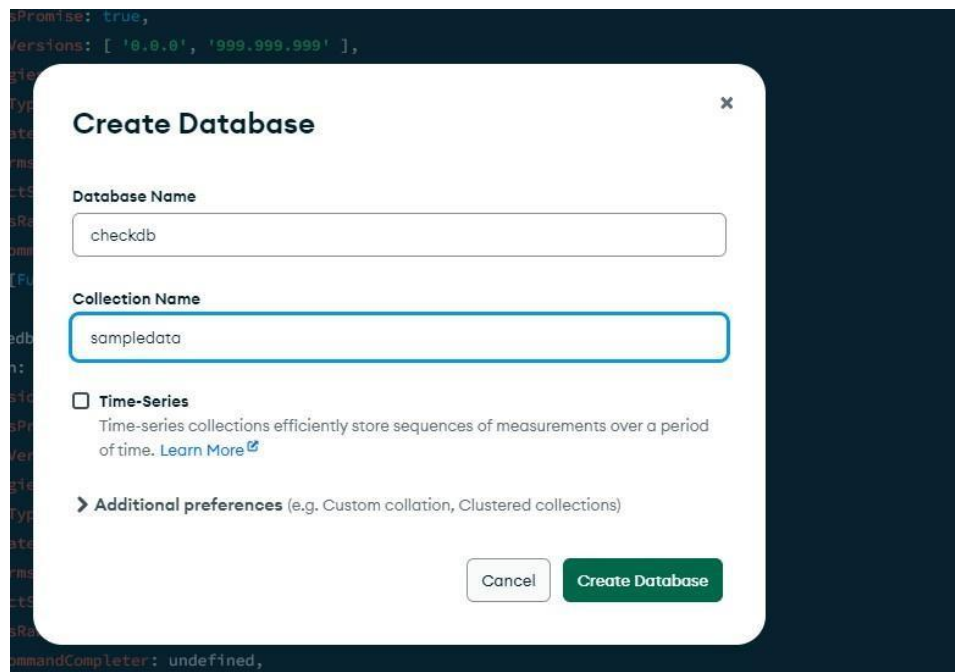
Date: 2024.04.28

Database drop, delete collections, update documents

1. create database as sampledbs, create collection sample.

```
> db.dropDatabase()
< { ok: 1, dropped: 'sampledb' }
sampledb> |
```

2. create database checkdb and create collection as sampledata.



Promise: true,
versions: ['0.0.0', '999.999.999'],
gle
typ
ato
rea
ct5
aRe
om
[Fu
edb
n:
aio
aPr
ver
glo
typ
sto
me
ct5
aRe
mandCompleter: undefined,

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, Clustered collections)

Cancel Create Database

3. Drop collection

```
> db.sampledata.drop()
< true
```

4. Write the query to insertMany documents inside the collection degree.

<div> <div>ADD DATA</div> <div>EXPORT DATA</div> <div>UPDATE</div> <div>DELETE</div> </div> <div>25 1-5</div>
<div> <div>_id: ObjectId('680ee9390937de0b64ee8b41')</div> <div>name: "BIT"</div> <div>duration: 3</div> </div>
<div> <div>_id: ObjectId('680ee98a0937de0b64ee8b42')</div> <div>name: "B.Sc in IT"</div> <div>duration: 4</div> </div>
<div> <div>_id: ObjectId('680eeb000937de0b64ee8b44')</div> <div>name: "B.Sc in Environmental Science"</div> <div>duration: 4</div> </div>
<div> <div>_id: ObjectId('680eeb000937de0b64ee8b45')</div> <div>name: "B.Sc in Applied Mathematics"</div> <div>duration: 3</div> </div>
<div> <div>_id: ObjectId('680eeb000937de0b64ee8b46')</div> <div>name: "B.Sc in Computer Science"</div> <div>duration: 4</div> </div>

5. Write the query to delete particular object id.

Query:

`db.degrees.deleteOne({_id:ObjectId('680ee9390937de0b64ee8b41')})`

```
> db.degrees.deleteOne({_id:ObjectId('680ee935fa29c02c1b6b5d7c')})
< {
  acknowledged: true,
  deletedCount: 1
}
unodb> |
```

Check whether its deleted

Query: `db.degrees.find().projection(['name','duration'])`

```
}
> db.degrees.find().projection(['name','duration'])
< {
  _id: ObjectId('680ee98a0937de0b64ee8b42'),
  name: 'B.Sc in IT',
  duration: 4
}
{
  _id: ObjectId('680eeb000937de0b64ee8b44'),
  name: 'B.Sc in Environmental Science',
  duration: 4
}
{
  _id: ObjectId('680eeb000937de0b64ee8b45'),
  name: 'B.Sc in Applied Mathematics',
  duration: 3
}
{
  _id: ObjectId('680eeb000937de0b64ee8b46'),
  name: 'B.Sc in Computer Science',
  duration: 4
}
```

6. Write the query to select certain data (name only)

Query: `db.degrees.find({}, {name:1, _id:0}).pretty()`

```
> db.degrees.find({}, {name:1, _id:0}).pretty()
< {
  name: 'B.Sc in IT'
}
{
  name: 'B.Sc in Environmental Science'
}
{
  name: 'B.Sc in Applied Mathematics'
}
{
  name: 'B.Sc in Computer Science'
}
```

7. Write the query to delete students whose degree duration less than
4.

Query: `db.degrees.deleteMany({duration:{$lt:4}})`

```
> db.degrees.deleteMany({duration:{$lt:4}})
< {
  acknowledged: true,
  deletedCount: 1
}
unldb>
```

```
> db.degrees.find({}, {name:1, _id:0}).pretty()
< {
  name: 'BSc in IT'
}
{
  name: 'B.Sc in Environmetal Science'
}
{
  name: 'B.Sc in Applied Mathametics'
}
{
  name: 'B.Sc in Computer Science'
}
unldb> |
```

8. Write the query to display the data using projection.

Query: `db.degrees.find().projection(['name','duration'])`

```
> db.degrees.find().projection(['name','duration'])
< {
  _id: ObjectId('680ee998fa29c02c1b6b5d7d'),
  name: 'BSc in IT',
  duration: 4
}
{
  _id: ObjectId('680eea23fa29c02c1b6b5d7e'),
  name: 'B.Sc in Environmental Science',
  duration: 4
}
{
  _id: ObjectId('680eea23fa29c02c1b6b5d7f'),
  name: 'B.Sc in Applied Mathametics',
  duration: 3
}
{
  _id: ObjectId('680eea23fa29c02c1b6b5d80'),
  name: 'B.Sc in Computer Science',
  duration: 4
}
unmdb>
```

9. Write the query increase duration by one which duration is greater than 4. **Query:**

`db.degrees.updateMany({duration:{$gte:4}},{$inc:{duration:1}})`

```
> db.degrees.updateMany({duration:{$gte:4}},{$inc:{duration:1}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 3,
  modifiedCount: 3,
  upsertedCount: 0
}
```

10. Write the query to add new certain skill to the students.

Push – add elements only

Query: `db.students.updateOne({regno:'2021IT001'},{$push:{skills:'PHP'}})`

```
> db.students.updateOne({regno:'2021IT001'},{$push:{skills:'PHP'}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
unmdb>
```