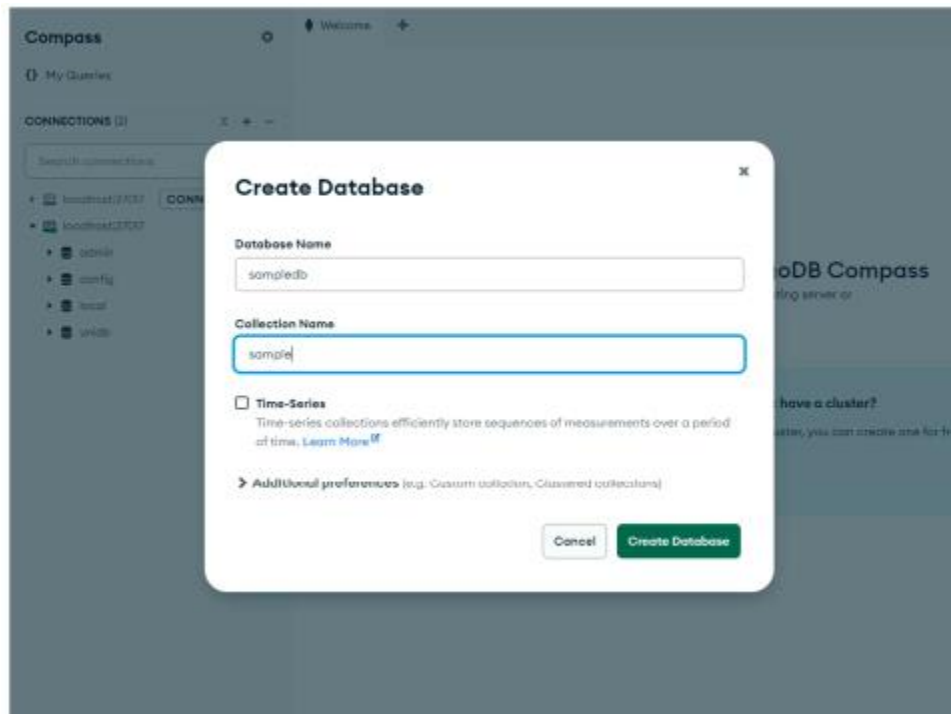1.Create database as sampled, create collection sample

2.use sampledb

switched to db sampledb
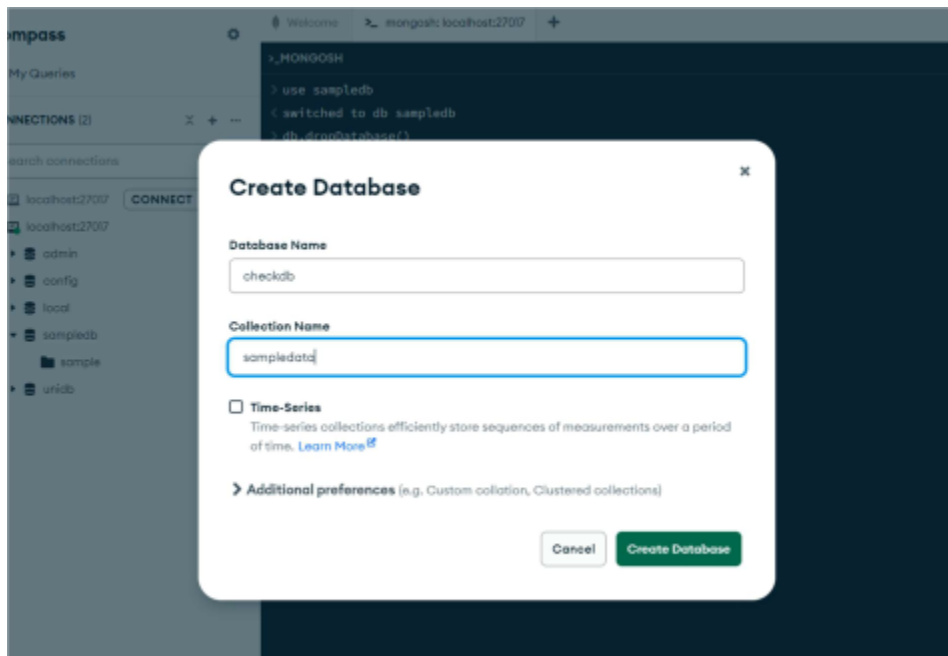
3.drop database

db.dropDatabase()

{ ok: 1, dropped: 'sampledb' }

4.create database as checkdb, collection as sampledata

5.drop collection

db.sampledata.drop()

true

6.In unidb database create collection as degrees

7.Then insert documents

"name": "BIT",

 "duration": 3

8.insert multiple documents

Insert Document

To collection unidb.degrees

VIEW **{}** ≡

```
 1   /**
 2    * Paste one or more documents here
 3    */
 4 ▾ [{
 5      "name": "B.Sc in IT",
 6      "duration": 4
 7    },
 8 ▾   {
 9
10       "name": "B.Sc in Environmental Science",
11       "duration":4
12    },
13 ▾ {
14
15       "name": "B.Sc in Applied Mathematics",
16       "duration":3
17    },
18 ▾ {
19
20       "name": "B.Sc in Computer Science",
21       "duration":4
22    }]
23
```

Cancel   Insert

[{

 "name": "B.Sc in IT",

  "duration": 4

  {

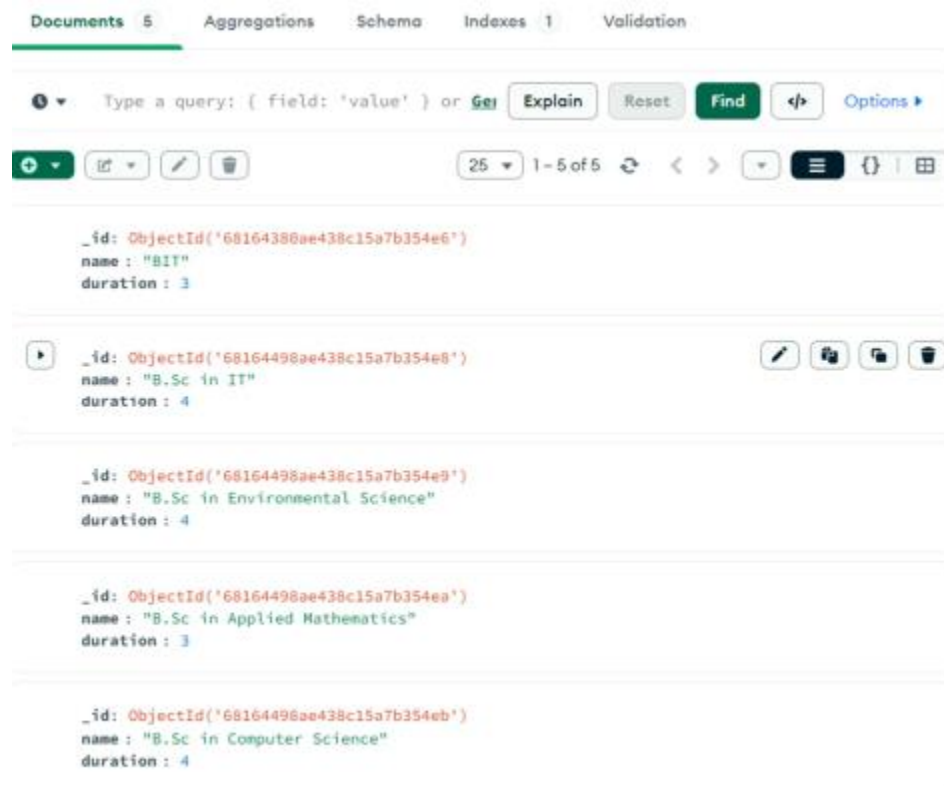 "name": "B.Sc in Environmental Science",

 "duration":4

 },

 {

"name": "B.Sc in Applied Mathematics",

"duration":3

},

{

"name": "B.Sc in Computer Science",

"duration":4

}]

9.use unidb

10.delete particular object id

db.degrees.deleteOne({_id:ObjectId('680ee960fa3cî820abef7e7')})

```
>_MONGOSH
> use unidb
< switched to db unidb
> db.degrees.deleteOne({_id:ObjectId('68164380ae438c15a7b354e6')})
< {
    acknowledged: true,
    deletedCount: 1
  }
```

11. db.degrees.find().projection(['name'])

```
> db.degrees.find().projection(['name'])
< {
    _id: ObjectId('68164498ae438c15a7b354e8'),
    name: 'B.Sc in IT'
  }
  {
    _id: ObjectId('68164498ae438c15a7b354e9'),
    name: 'B.Sc in Environmental Science'
  }
  {
    _id: ObjectId('68164498ae438c15a7b354ea'),
    name: 'B.Sc in Applied Mathematics'
  }
  {
    _id: ObjectId('68164498ae438c15a7b354eb'),
    name: 'B.Sc in Computer Science'
  }
```

12. db.degrees.find().projection([{'name':1},{'_id':-1}])

```
> db.degrees.find().projection([{'name':1},{'_id':-1}])
< {
    _id: ObjectId('68164498ae438c15a7b354e8')
  }
  {
    _id: ObjectId('68164498ae438c15a7b354e9')
  }
  {
    _id: ObjectId('68164498ae438c15a7b354ea')
  }
  {
    _id: ObjectId('68164498ae438c15a7b354eb')
  }
```

13. db.degrees.find().projection(['name','duration'])

```
> db.degrees.find().projection(['name','duration'])
< {
    _id: ObjectId('68164498ae438c15a7b354e8'),
    name: 'B.Sc in IT',
    duration: 4
  }
  {
    _id: ObjectId('68164498ae438c15a7b354e9'),
    name: 'B.Sc in Environmental Science',
    duration: 4
  }
  {
    _id: ObjectId('68164498ae438c15a7b354ea'),
    name: 'B.Sc in Applied Mathematics',
    duration: 3
  }
  {
    _id: ObjectId('68164498ae438c15a7b354eb'),
    name: 'B.Sc in Computer Science',
    duration: 4
  }
```

14. 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'
}
```

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

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

16.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 Computer Science'
}
```

17.db.degrees.updateOne({_id:ObjectId('680eef3dfa3cĩ820abef7ef')},{$set:{name:'BIT',duratio
n:3}})

```
> db.degrees.updateOne({_id:ObjectId('680eef370937de0b64ee8b53')},{$set:{name:'BIT',duration:3}})
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
```

18db.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
  }
```

19.db.degrees.findOne({_id:ObjectId('680eef370937de0b64ee8b53')})

```
> db.degrees.findOne({_id:ObjectId('680eef370937de0b64ee8b53')})
< {
    _id: ObjectId('680eef370937de0b64ee8b53'),
    name: 'BIT',
    duration: 3
  }
```