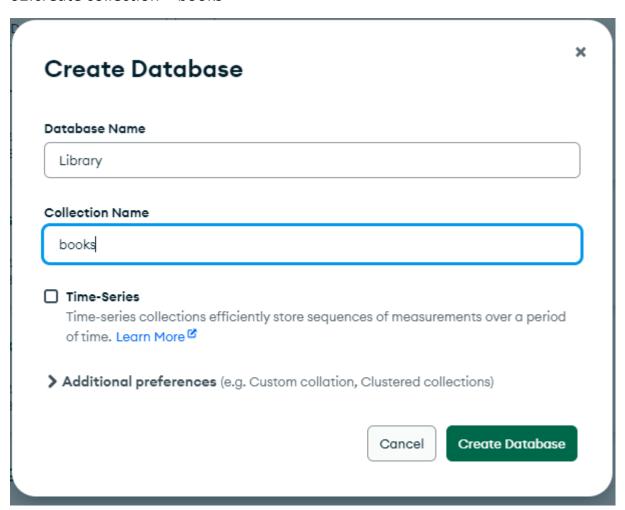
Assignment-02

- 01.Create database Libarary
- 02.create collection books



03. Insert some sample documents into the 'books' collection.

```
Insert Data
[
{
    "title": "Pride and Prejudice",
    "author": "Jane Austen",
```

```
"year_published": 1813,
  "genres": ["Fiction", "Romance"],
  "available": true
},
{
  "title": "The Catcher in the Rye",
  "author": "J.D. Salinger",
  "year_published": 1951,
  "genres": ["Fiction", "Classic"],
  "available": true
},
{
  "title": "The Hobbit",
  "author": "J.R.R. Tolkien",
  "year_published": 1937,
  "genres": ["Fantasy", "Adventure"],
  "available": true
},
{
  "title": "Moby-Dick",
  "author": "Herman Melville",
  "year_published": 1851,
  "genres": ["Fiction", "Adventure"],
  "available": true
```

```
},
{
  "title": "War and Peace",
  "author": "Leo Tolstoy",
  "year_published": 1869,
  "genres": ["Historical Fiction", "Classic"],
  "available": true
},
{
  "title": "The Odyssey",
  "author": "Homer",
  "year_published": -800,
  "genres": ["Epic", "Adventure"],
  "available": true
},
{
  "title": "The Brothers Karamazov",
  "author": "Fyodor Dostoevsky",
  "year_published": 1880,
  "genres": ["Fiction", "Philosophical"],
  "available": true
},
{
  "title": "Brave New World",
```

```
"author": "Aldous Huxley",
  "year_published": 1932,
  "genres": ["Dystopian", "Science Fiction"],
  "available": true
},
{
  "title": "The Divine Comedy",
  "author": "Dante Alighieri",
  "year_published": 1320,
  "genres": ["Epic", "Poetry"],
  "available": true
},
{
  "title": "Crime and Punishment",
  "author": "Fyodor Dostoevsky",
  "year_published": 1866,
  "genres": ["Fiction", "Philosophical"],
  "available": true
}
```

×

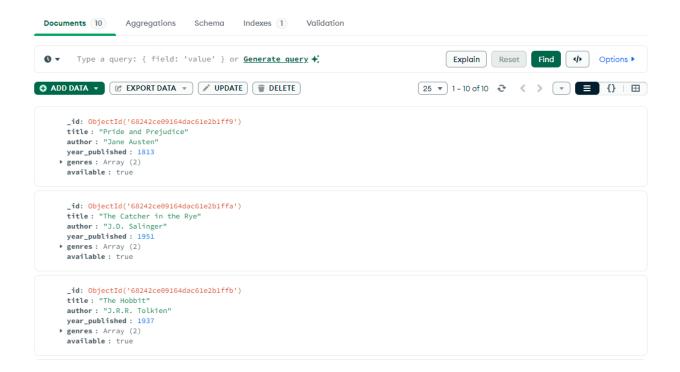
Insert Document

To collection Library books

```
4 ▼ [
 5 ▼
        {
             "title": "Pride and Prejudice",
 6
             "author": "Jane Austen",
 7
             "year_published": 1813,
 8
             "genres": ["Fiction", "Romance"],
9
             "available": true
10
11
12 🔻
            "title": "The Catcher in the Rye",
13
            "author": "J.D. Salinger",
14
            "year_published": 1951,
15
            "genres": ["Fiction", "Classic"],
16
             "available": true
17
18
19 ▼
20
            "title": "The Hobbit",
             "author": "J.R.R. Tolkien",
21
             "year_published": 1937,
22
            "genres": ["Fantasy", "Adventure"],
23
             "available": true
24
25
26 •
```

Cancel

Insert



04. Find all documents in the 'books' collection.

db.books.find()

05. Find books published after 1950.

db.books.find({'year_published':{\$gt:1950}})

06. Find a book by title

db.books.find({},{'title':1,'_id':0})

```
>_MONGOSH

}

db.books.find({},{'title':1,'_id':0})

{
    title: 'Pride and Prejudice'
}

{
    title: 'The Catcher in the Rye'
}

{
    title: 'The Hobbit'
}

{
    title: 'Moby-Dick'
}

{
    title: 'War and Peace'
}

{
    title: 'The Odyssey'
}

{
    title: 'The Brothers Karamazov'
}
```

07. Update the year published for "The Great Gatsby".

db.books.updateOne({"title":"The Great Gatsby"},{\$addToSet:{year_published:1948}})

```
> db.books.updateOne({"title":"The Great Gatsby"},{$addToSet:{"published_year":1948}});

< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 0,
    modifiedCount: 0,
    upsertedCount: 0
}</pre>
```

08. Update the available status of "Moby-Dick" to false.

db.books.updateOne({"title":"Moby-Dick"},{\$set:{"available":false}});

```
> db.books.updateOne({"title":"Moby-Dick"},{$set:{"available":false}});

< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
Library>
```

09. Set a new field checked_out to false for all available books.

```
db.books.updateOne({},{$set:{"Checked_out":false}});
db.books.updateMany({},{$set:{"Checked_out":false}});
db.books.updateMany({"available":true},{$set:{"Checked_out":false}});
```

```
> db.books.updateOne({},{$set:{"Checked_out":false}});

< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 0
  }

> db.books.updateMany({},{$set:{"Checked_out":false}});

< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 10,
    modifiedCount: 9,
    upsertedCount: 0
  }

Library>
```

```
> db.books.updateMany({"available":true},{$set:{"Checked_out":false}});

< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 9,
    modifiedCount: 0,
    upsertedCount: 0
}</pre>
Library>
```

10. Change the checked_out status to true for books in the "Adventure" genre.

db.books.updateOne({"genres":"Adventure"},{\$set:{"Checked_out":true}});

```
> db.books.updateOne({"genres":"Adventure"},{$set:{"Checked_out":true}});

< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
}</pre>
```

11. Delete a book by title

db.books.deleteOne({"title":"Moby-Dick"});

```
> db.books.deleteOne({"title":"Moby-Dick"});

< {
    acknowledged: true,
    deletedCount: 1
}</pre>
```

12. Delete all books published before 1930.

db.books.deleteMany({"year_published":{\$gte:1930}})

```
> db.books.deleteMany({"year_published":{$gte:1930}})
< {
    acknowledged: true,
    deletedCount: 3
}</pre>
```