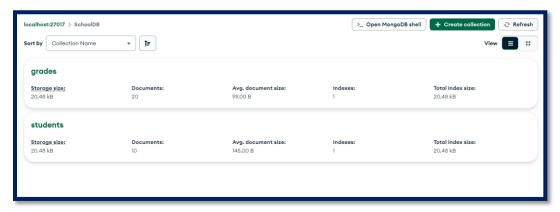
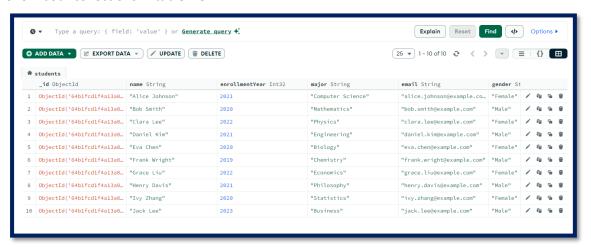
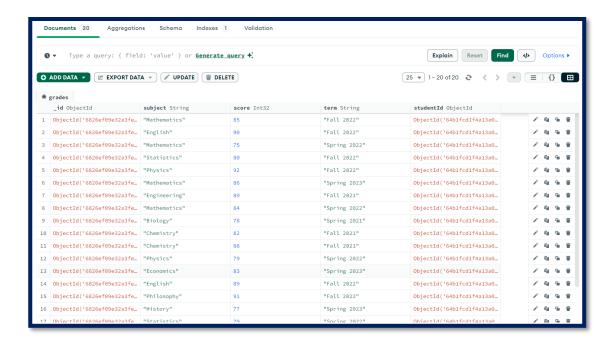
01. Create the students and grades collections and insert the sample documents into both Collections.



02. Show both collections in table view.





03. Find the female students and only display their name, age and gender.

04. Find the students who are younger than 22 and enrolled after 2020.

05. Find all grades for "Alice Johnson".

```
> db.grades.find({ studentId: ObjectId("64b1fcd1f4a13a001e3d41a1") });

< {
    _id: ObjectId('6826ef09e32a3feb38530fbd'),
    subject: 'Mathematics',
    score: 85,
    term: 'Fall 2022',
    studentId: ObjectId('64b1fcd1f4a13a001e3d41a1')
}

{
    _id: ObjectId('6826ef09e32a3feb38530fbe'),
    subject: 'English',
    score: 90,
    term: 'Fall 2022',
    studentId: ObjectId('64b1fcd1f4a13a001e3d41a1')
}</pre>
```

06. Find how many students followed the subject "Mathematics".

```
> db.grades.find({ subject: "Mathematics" }).count();
< 4</pre>
```

07. Find all students with grades in the term "Fall 2022".