

Compass

My Queries

CONNECTIONS (1)

Search connections

aki

- Myimdb
- admin
- config
- local
- students
  - students

students

mongosh: aki

+

>\_MONGOSH

> db.students.find({ enrollmentYear: { \$gt: 2020 } })  
.sort({ enrollmentYear: -1 })  
.limit(10)  
.forEach(printjson);  
< {  
  \_id: 6,  
  name: 'Frank Wilson',  
  age: 24,  
  city: 'Pittsburgh',  
  state: 'PA',  
  grade: 95,  
  enrollmentYear: 2023  
}  
< {  
  \_id: 13,  
  name: 'Maya Patel',  
  age: 22,  
  city: 'Cleveland',  
  state: 'OH',  
  grade: 93,  
  enrollmentYear: 2023  
}  
< {  
  \_id: 4,  
  name: 'David Kim',  
  age: 21,  
  city: 'Columbus',  
  state: 'OH',  
  grade: 81,

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>\_MONGOSH

```
< {
  _id: 15,
  name: 'Olivia Scott',
  age: 24,
  city: 'Philadelphia',
  state: 'PA',
  grade: 99,
  enrollmentYear: 2022
}
< {
  _id: 6,
  name: 'Frank Wilson',
  age: 24,
  city: 'Pittsburgh',
  state: 'PA',
  grade: 95,
  enrollmentYear: 2023
}
< {
  _id: 13,
  name: 'Maya Patel',
  age: 22,
  city: 'Cleveland',
  state: 'OH',
  grade: 93,
  enrollmentYear: 2023
}
> db.students.find({ enrollmentYear: { $gt: 2020 } })
.sort({ enrollmentYear: -1 })
```



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>\_MONGOSH

```
grade: 88,
enrollmentYear: 2021
}
< {
  _id: 7,
  name: 'Grace Lee',
  age: 18,
  city: 'Cleveland',
  state: 'OH',
  grade: 85,
  enrollmentYear: 2021
}
< {
  _id: 11,
  name: 'Karen White',
  age: 23,
  city: 'Columbus',
  state: 'OH',
  grade: 84,
  enrollmentYear: 2021
}
< {
  _id: 4,
  name: 'David Kim',
  age: 21,
  city: 'Columbus',
  state: 'OH',
  grade: 81,
  enrollmentYear: 2022
}
```

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mongosh: aki

+

>\_MONGOSH

```
enrollmentYear: 2023
}
< {
  _id: 3,
  name: 'Carla Lopez',
  age: 23,
  city: 'Erie',
  state: 'PA',
  grade: 92,
  enrollmentYear: 2020
}
< {
  _id: 9,
  name: 'Isabella Davis',
  age: 21,
  city: 'Philadelphia',
  state: 'PA',
  grade: 90,
  enrollmentYear: 2020
}
> db.students.find({ enrollmentYear: { $gt: 2020 } })
.sort({ enrollmentYear: 1 })
.limit(10)
.forEach(printjson);
< {
  _id: 1,
  name: 'Alice Johnson',
  age: 22,
  city: 'Pittsburgh',
  state: 'PA'
```



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students

mongosh: aki

+

>\_MONGOSH

> db.students.find().sort({ grade: -1 }).limit(5).forEach(printjson);

< {  
  \_id: 15,  
  name: 'Olivia Scott',  
  age: 24,  
  city: 'Philadelphia',  
  state: 'PA',  
  grade: 99,  
  enrollmentYear: 2022  
}  
  
< {  
  \_id: 6,  
  name: 'Frank Wilson',  
  age: 24,  
  city: 'Pittsburgh',  
  state: 'PA',  
  grade: 95,  
  enrollmentYear: 2023  
}  
  
< {  
  \_id: 13,  
  name: 'Maya Patel',  
  age: 22,  
  city: 'Cleveland',  
  state: 'OH',  
  grade: 93,

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students mongosh: aki

>\_MONGOSH

> db.students.find(  
 {},  
 { name: 1, grade: 1, city: 1, \_id: 0 }  
)<forEach(printjson);  
< { name: 'Alice Johnson', city: 'Pittsburgh', grade: 88 }  
< { name: 'Brian Smith', city: 'Cleveland', grade: 75 }  
< { name: 'Carla Lopez', city: 'Erie', grade: 92 }  
< { name: 'David Kim', city: 'Columbus', grade: 81 }  
< { name: 'Ella Martinez', city: 'Buffalo', grade: 79 }  
< { name: 'Frank Wilson', city: 'Pittsburgh', grade: 95 }  
< { name: 'Grace Lee', city: 'Cleveland', grade: 85 }  
< { name: 'Henry Brown', city: 'Detroit', grade: 68 }  
< { name: 'Isabella Davis', city: 'Philadelphia', grade: 90 }  
< { name: 'Jack Miller', city: 'Newark', grade: 72 }  
< { name: 'Karen White', city: 'Columbus', grade: 84 }  
< { name: 'Leo Nguyen', city: 'Pittsburgh', grade: 77 }  
< { name: 'Maya Patel', city: 'Cleveland', grade: 93 }  
< { name: 'Nathan Green', city: 'Buffalo', grade: 87 }  
< { name: 'Olivia Scott', city: 'Philadelphia', grade: 99 }  
> db.students.findOne({ \_id: 6 });  
< {  
 \_id: 6,  
 name: 'Frank Wilson',  
 age: 24,  
 city: 'Pittsburgh',  
 state: 'PA',  
 grade: 95,  
 enrollmentYear: 2023  
}



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mongosh: aki

+

>\_MONGOSH

> db.students.find(  
    { age: { \$gt: 20 } }, // Query filter goes inside {}  
    { name: 1, age: 1, \_id: 0 } // Projection  
).forEach(printjson);  
< { name: 'Alice Johnson', age: 22 }  
< { name: 'Carla Lopez', age: 23 }  
< { name: 'David Kim', age: 21 }  
< { name: 'Frank Wilson', age: 24 }  
< { name: 'Henry Brown', age: 22 }  
< { name: 'Isabella Davis', age: 21 }  
< { name: 'Karen White', age: 23 }  
< { name: 'Maya Patel', age: 22 }  
< { name: 'Nathan Green', age: 21 }  
< { name: 'Olivia Scott', age: 24 }  
> db.students.findOne({ city: "Pittsburgh", state: "PA" });  
< {  
    \_id: 1,  
    name: 'Alice Johnson',  
    age: 22,  
    city: 'Pittsburgh',  
    state: 'PA',  
    grade: 88,  
    enrollmentYear: 2021  
}  
> db.students.find(  
    {},  
    { name: 1, grade: 1, city: 1, \_id: 0 }  
)  
✖ > **SyntaxError:** Unexpected token, expected "," (3:40)

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+

>\_MONGOSH

```
_id: 15,
name: 'Olivia Scott',
age: 24,
city: 'Philadelphia',
state: 'PA',
grade: 99,
enrollmentYear: 2022
}
< {
_id: 1,
name: 'Alice Johnson',
age: 22,
city: 'Pittsburgh',
state: 'PA',
grade: 88,
enrollmentYear: 2021
}
< {
_id: 7,
name: 'Grace Lee',
age: 18,
city: 'Cleveland',
state: 'OH',
grade: 85,
enrollmentYear: 2021
}
< {
_id: 11,
name: 'Karen White',
```



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mongosh: aki

+

>\_MONGOSH

> db.students.find({ grade: { \$gt: 80 } })  
.sort({ age: -1 })  
.limit(3)  
.forEach(printjson);  
< {  
  \_id: 15,  
  name: 'Olivia Scott',  
  age: 24,  
  city: 'Philadelphia',  
  state: 'PA',  
  grade: 99,  
  enrollmentYear: 2022  
}  
< {  
  \_id: 6,  
  name: 'Frank Wilson',  
  age: 24,  
  city: 'Pittsburgh',  
  state: 'PA',  
  grade: 95,  
  enrollmentYear: 2023  
}  
< {  
  \_id: 11,  
  name: 'Karen White',  
  age: 23,  
  city: 'Columbus',  
  state: 'OH',  
  grade: 84,