

Comparison Query Parameter:

To get all the document, but without Larry:(ne = Not Equal)

```
school> db.students.find({name: { $ne:"Larry" } })
```

```
[  
  {  
    _id: ObjectId('69804ab8864a660af4628ca0'),  
    name: 'spongebob',  
    age: 30,  
    gpa: 3.2,  
    fullTime: false  
  },  
  {  
    _id: ObjectId('698075a0c41c5afdcf628ca0'),  
    name: 'patrick',  
    age: 38,  
    gpa: 1.5,  
    fullTime: false  
  },  
  {  
    _id: ObjectId('698075a0c41c5afdcf628ca1'),  
    name: 'sandy',  
    age: 27,  
    gpa: 4,  
    fullTime: false  
  },  
  {  
    _id: ObjectId('698075a0c41c5afdcf628ca2'),  
    name: 'gary',  
    age: 18,  
    gpa: 2.5,  
    fullTime: false  
  },  
  {  
    _id: ObjectId('69807998aa017ce650cd8097'),  
    name: 'mongo',  
    age: 32,  
    gpa: 3.2,  
    fullTime: false  
  },  
  {  
    _id: ObjectId('69807a96aa017ce650cd8099'),  
    name: 'Name1',
```

```

        age: 12,
        gpa: 1.2,
        fullTime: true
    },
    {
        _id: ObjectId('69807a96aa017ce650cd809a'),
        name: 'Name2',
        age: 22,
        gpa: 2.4,
        fullTime: true
    },
    {
        _id: ObjectId('69807a96aa017ce650cd809b'),
        name: 'Name3',
        age: 42,
        gpa: 6.2,
        fullTime: false
    }
]

```

To get the students with age less than 25:(lt = less than)

```

school> db.students.find({age: { $lt:25 } })
[
    {
        _id: ObjectId('698075a0c41c5afdf628ca2'),
        name: 'gary',
        age: 18,
        gpa: 2.5,
        fullTime: false
    },
    {
        _id: ObjectId('69807a96aa017ce650cd8099'),
        name: 'Name1',
        age: 12,
        gpa: 1.2,
        fullTime: true
    },
    {
        _id: ObjectId('69807a96aa017ce650cd809a'),
        name: 'Name2',
        age: 22,
        gpa: 2.4,
        fullTime: true
    }
]
```

To get the students with age less than and equal to 27:(lte = less than and equal)
school> **db.students.find({age: { \$lte:27 } })**

```
[  
  {  
    _id: ObjectId('698075a0c41c5afdf628ca1'),  
    name: 'sandy',  
    age: 27,  
    gpa: 4,  
    fullTime: false  
  },  
  {  
    _id: ObjectId('698075a0c41c5afdf628ca2'),  
    name: 'gary',  
    age: 18,  
    gpa: 2.5,  
    fullTime: false  
  },  
  {  
    _id: ObjectId('69807a96aa017ce650cd8099'),  
    name: 'Name1',  
    age: 12,  
    gpa: 1.2,  
    fullTime: true  
  },  
  {  
    _id: ObjectId('69807a96aa017ce650cd809a'),  
    name: 'Name2',  
    age: 22,  
    gpa: 2.4,  
    fullTime: true  
  }  
]
```

To get the students with age greater than 27:

school> **db.students.find({age: { \$gt:27 } })**

```
[  
  {  
    _id: ObjectId('69808144c41c5afdf628ca4'),  
    name: 'Larry',  
    age: 32,  
    gpa: 3.2,  
    fullTime: false,  
    registerDate: ISODate('2026-02-02T10:49:40.654Z'),  
    graduationDate: null,  
    courses: [ 'Biology', 'Chemistry', 'Calculus' ],  
  }]
```

```

address: { street: '123 Fake St.', city: 'Bik Bottom', zip: 12345 }
},
{
  _id: ObjectId('69804ab8864a660af4628ca0'),
  name: 'spongebob',
  age: 30,
  gpa: 3.2,
  fullTime: false
},
{
  _id: ObjectId('698075a0c41c5afdf628ca0'),
  name: 'patrick',
  age: 38,
  gpa: 1.5,
  fullTime: false
},
{
  _id: ObjectId('69807998aa017ce650cd8097'),
  name: 'mongo',
  age: 32,
  gpa: 3.2,
  fullTime: false
},
{
  _id: ObjectId('69807a96aa017ce650cd809b'),
  name: 'Name3',
  age: 42,
  gpa: 6.2,
  fullTime: false
}
]

```

To get the students with age greater than and equals 27:

```

school> db.students.find({age: { $gte:27 } })
[
{
  _id: ObjectId('69808144c41c5afdf628ca4'),
  name: 'Larry',
  age: 32,
  gpa: 3.2,
  fullTime: false,
  registerDate: ISODate('2026-02-02T10:49:40.654Z'),
  gradutionDate: null,
  courses: [ 'Biology', 'Chemistry', 'Calculus' ],
  address: { street: '123 Fake St.', city: 'Bik Bottom', zip: 12345 }
}
]
```

```

},
{
  _id: ObjectId('69804ab8864a660af4628ca0'),
  name: 'spongebob',
  age: 30,
  gpa: 3.2,
  fullTime: false
},
{
  _id: ObjectId('698075a0c41c5afdf628ca0'),
  name: 'patrick',
  age: 38,
  gpa: 1.5,
  fullTime: false
},
{
  _id: ObjectId('698075a0c41c5afdf628ca1'),
  name: 'sandy',
  age: 27,
  gpa: 4,
  fullTime: false
},
{
  _id: ObjectId('69807998aa017ce650cd8097'),
  name: 'mongo',
  age: 32,
  gpa: 3.2,
  fullTime: false
},
{
  _id: ObjectId('69807a96aa017ce650cd809b'),
  name: 'Name3',
  age: 42,
  gpa: 6.2,
  fullTime: false
}
]

```

To get the students with age greater than and equals 1.2 and less than and equal to 2.5:

school> **db.students.find({gpa: { \$gte:1.2, \$lte: 2.5 } })**

```

[
{
  _id: ObjectId('698075a0c41c5afdf628ca0'),
  name: 'patrick',
  age: 38,

```

```

        gpa: 1.5,
        fullTime: false
    },
    {
        _id: ObjectId('698075a0c41c5afdf628ca2'),
        name: 'gary',
        age: 18,
        gpa: 2.5,
        fullTime: false
    },
    {
        _id: ObjectId('69807a96aa017ce650cd8099'),
        name: 'Name1',
        age: 12,
        gpa: 1.2,
        fullTime: true
    },
    {
        _id: ObjectId('69807a96aa017ce650cd809a'),
        name: 'Name2',
        age: 22,
        gpa: 2.4,
        fullTime: true
    }
]
]
```

To get students with name as Name1, Name2 and Name3 using in Comparison Operator:
 school> **db.students.find({name: {\$in: ["Name1", "Name2", "Name3"]}})**

```

[
{
    _id: ObjectId('69807a96aa017ce650cd8099'),
    name: 'Name1',
    age: 12,
    gpa: 1.2,
    fullTime: true
},
{
    _id: ObjectId('69807a96aa017ce650cd809a'),
    name: 'Name2',
    age: 22,
    gpa: 2.4,
    fullTime: true
},
{
    _id: ObjectId('69807a96aa017ce650cd809b'),

```

```

        name: 'Name3',
        age: 42,
        gpa: 6.2,
        fullTime: false
    }
]

```

To get students who does not have name as Name1, Name2 and Name3 using not in Comparison Operator:

```

school> db.students.find({name: {$nin: ["Name1", "Name2", "Name3"] } })
[
{
    _id: ObjectId('69808144c41c5afdf628ca4'),
    name: 'Larry',
    age: 32,
    gpa: 3.2,
    fullTime: false,
    registerDate: ISODate('2026-02-02T10:49:40.654Z'),
    graduationDate: null,
    courses: [ 'Biology', 'Chemistry', 'Calculus' ],
    address: { street: '123 Fake St.', city: 'Bik Bottom', zip: 12345 }
},
{
    _id: ObjectId('69804ab8864a660af4628ca0'),
    name: 'spongebob',
    age: 30,
    gpa: 3.2,
    fullTime: false
},
{
    _id: ObjectId('698075a0c41c5afdf628ca0'),
    name: 'patrick',
    age: 38,
    gpa: 1.5,
    fullTime: false
},
{
    _id: ObjectId('698075a0c41c5afdf628ca1'),
    name: 'sandy',
    age: 27,
    gpa: 4,
    fullTime: false
},
{
    _id: ObjectId('698075a0c41c5afdf628ca2'),

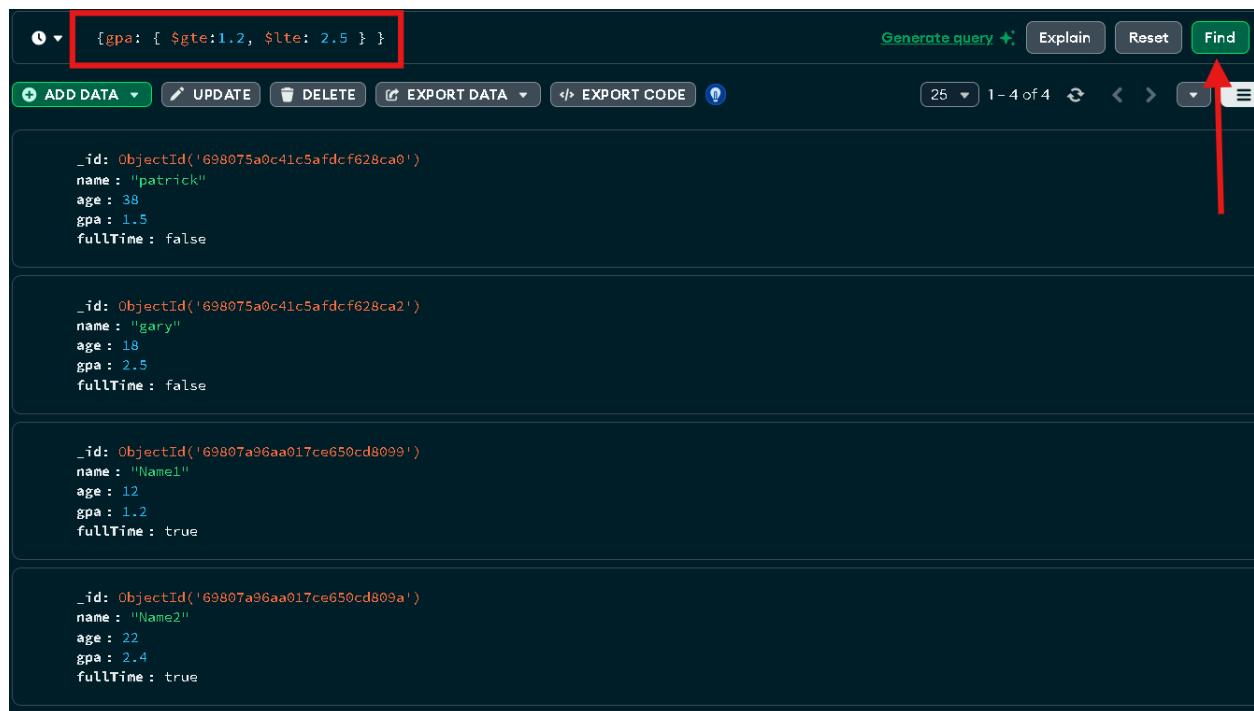
```

```

        name: 'gary',
        age: 18,
        gpa: 2.5,
        fullTime: false
    },
{
    _id: ObjectId('69807998aa017ce650cd8097'),
    name: 'mongo',
    age: 32,
    gpa: 3.2,
    fullTime: false
}
]

```

Using MongoDB compass:



The screenshot shows the MongoDB Compass interface with a query results pane. A red box highlights the search bar containing the query `{gpa: { $gte:1.2, $lte: 2.5 } }`. A red arrow points from the bottom right towards the green "Find" button. The results pane displays four documents matching the query:

- `_id: ObjectId('698075a0c41c5afdf628ca0')`
`name : "patrick"`
`age : 38`
`gpa : 1.5`
`fullTime : false`
- `_id: ObjectId('698075a0c41c5afdf628ca2')`
`name : "gary"`
`age : 18`
`gpa : 2.5`
`fullTime : false`
- `_id: ObjectId('69807a96aa017ce650cd8099')`
`name : "Name1"`
`age : 12`
`gpa : 1.2`
`fullTime : true`
- `_id: ObjectId('69807a96aa017ce650cd809a')`
`name : "Name2"`
`age : 22`
`gpa : 2.4`
`fullTime : true`