

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('698075a0c41c5afdcf628ca2'),
    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('698075a0c41c5afdcf628ca1'),
    name: 'sandy',
    age: 27,
    gpa: 4,
    fullTime: false
  },
  {
    _id: ObjectId('698075a0c41c5afdcf628ca2'),
    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('69808144c41c5afdcf628ca4'),
    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('698075a0c41c5afdcf628ca0'),
    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('69808144c41c5afdcf628ca4'),
    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('698075a0c41c5afdcf628ca0'),
  name: 'patrick',
  age: 38,
  gpa: 1.5,
  fullTime: false
},
{
  _id: ObjectId('698075a0c41c5afdcf628ca1'),
  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('698075a0c41c5afdcf628ca0'),
    name: 'patrick',
    age: 38,

```

```

    gpa: 1.5,
    fullTime: false
  },
  {
    _id: ObjectId('698075a0c41c5afdcf628ca2'),
    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('69808144c41c5afdcf628ca4'),
    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('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
    }
  ]

```

Using MongoDB compass:

