

```
> _MONGOSH

> use students
< switched to db students

> db.students.insertOne({
  name: "Rahul",
  age: 21,
  course: "Computer Science",
  marks: 85,
  city: "Bengaluru"
});
< {
  acknowledged: true,
  insertedId: ObjectId('692971fb7f316400c3d633b1')
}

> db.students.insertMany([
  { name: "Anita", age: 22, course: "Mathematics", marks: 90 },
  { name: "Vikram", age: 20, course: "Physics", marks: 78 }
]);
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('6929720e7f316400c3d633b2'),
    '1': ObjectId('6929720e7f316400c3d633b3')
  }
}

> db.students.find();
< {
  _id: ObjectId('692971fb7f316400c3d633b1'),
  name: 'Rahul',
  age: 21,
  course: 'Computer Science',
  marks: 85,
  city: 'Bengaluru'
}
{
  _id: ObjectId('6929720e7f316400c3d633b2'),
  name: 'Anita',
  age: 22,
```

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```
{
  _id: ObjectId('6929720e7f316400c3d633b2'),
  name: 'Anita',
  age: 22,
  course: 'Mathematics',
  marks: 90
}
```

```
{
  _id: ObjectId('6929720e7f316400c3d633b3'),
  name: 'Vikram',
  age: 20,
  course: 'Physics',
  marks: 78
}
```

```
> db.students.find({ marks: { $gt: 80 } });
```

```
< {
  _id: ObjectId('692971fb7f316400c3d633b1'),
  name: 'Rahul',
  age: 21,
  course: 'Computer Science',
  marks: 85,
  city: 'Bengaluru'
}
```

```
{
  _id: ObjectId('6929720e7f316400c3d633b2'),
  name: 'Anita',
  age: 22,
  course: 'Mathematics',
  marks: 90
}
```

```
> db.students.find({name:{$in:["Rahul","Anita"]}});
```

```
< {
  _id: ObjectId('692971fb7f316400c3d633b1'),
  name: 'Rahul',
  age: 21,
  course: 'Computer Science',
  marks: 85,
  city: 'Bengaluru'
}
```

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```
}
```

```
> db.students.find({name:{$in:["Rahul","Anita"]}});
```

```
< {
```

```
  _id: ObjectId('692971fb7f316400c3d633b1'),
```

```
  name: 'Rahul',
```

```
  age: 21,
```

```
  course: 'Computer Science',
```

```
  marks: 85,
```

```
  city: 'Bengaluru'
```

```
}
```

```
{
```

```
  _id: ObjectId('6929720e7f316400c3d633b2'),
```

```
  name: 'Anita',
```

```
  age: 22,
```

```
  course: 'Mathematics',
```

```
  marks: 90
```

```
}
```

```
> db.students.aggregate([
```

```
  { $group: { _id: "$city", total: { $sum: 1 } } }
```

```
]);
```

```
< {
```

```
  _id: null,
```

```
  total: 2
```

```
}
```

```
{
```

```
  _id: 'Bengaluru',
```

```
  total: 1
```

```
}
```

```
> db.students.aggregate([
```

```
  { $group: { _id: "$course", avgMarks: { $avg: "$marks" } } }
```

```
]);
```

```
< {
```

```
  _id: 'Mathematics',
```

```
  avgMarks: 90
```

```
}
```

```
{
```

```
  _id: 'Computer Science',
```

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```
> db.students.aggregate([
  { $group: { _id: "$city", total: { $sum: 1 } } }
]);
< {
  _id: null,
  total: 2
}
{
  _id: 'Bengaluru',
  total: 1
}

> db.students.aggregate([
  { $group: { _id: "$course", avgMarks: { $avg: "$marks" } } }
]);
< {
  _id: 'Mathematics',
  avgMarks: 90
}
{
  _id: 'Computer Science',
  avgMarks: 85
}
{
  _id: 'Physics',
  avgMarks: 78
}

> db.students.insertMany([
  { name: "mahi", age: 25, course: "Mathematics", marks: 45 },
  { name: "Vineet", age: 26, course: "chemistry", marks: 60 }
]);
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('692974897f316400c3d633b4'),
    '1': ObjectId('692974897f316400c3d633b5')
  }
}
students> |
```