Christian Rangel NoSQL

Assignment 3 Query Results

Finding Documents:

```
> db.students.find(
    { age: { $gt: 20 } },
    { _id: 0, name: 1, age: 1 }
)

    ( name: 'Alice',
    age: 22
}

{
    name: 'Charlie',
    age: 24
}

{
    name: 'David',
    age: 21
}

{
    name: 'Eve',
    age: 23
}
```

```
> db.students.find(
    {},
    {__id: 0, name: 1, age: 1, grade: 1 }
)

<pre
```

Sorting Documents:

```
> db.students.find().sort({ grade: -1 }).limit(5)
  name: 'Eve',
  name: 'Bob',
  city: 'Los Angeles',
```

```
_id: '3',
name: 'Charlie',
age: 24,
city: 'Chicago',
state: 'IL',
grade: 70,
enrollment_year: 2022
}
```

Combining Find, Sort, and Limit:

```
db.students.find(
   { enrollment_year: { $gt: 2020 } }
 ).sort({ enrollment_year: 1 }).limit(10)
< {
   age: 22,
   city: 'New York',
  grade: 90,
  name: 'Charlie',
   age: 24,
   city: 'Chicago',
   grade: 70,
   age: 23,
   city: 'Miami',
   grade: 95,
```

```
> db.students.find(
    { enrollment_year: { $gt: 2020 } }
).sort({ enrollment_year: -1 }).limit(10)

< {
    _id: '3',
    name: 'Charlie',
    age: 24,
    city: 'Chicago',
    state: 'IL',
    grade: 70,
    enrollment_year: 2022
}

{
    _id: '5',
    name: 'Eve',
    age: 23,
    city: 'Miami',
    state: 'FL',
    grade: 95,
    enrollment_year: 2022
}

{
    _id: '1',
    name: 'Alice',
    age: 22,
    city: 'New York',
    state: 'NY',
    grade: 90,
    enrollment_year: 2021
}</pre>
```

```
> db.students.find(
    { grade: { $gt: 80 } }
).sort({ age: -1 }).limit(3)
<{
        __id: '5',
        name: 'Eve',
        age: 23,
        city: 'Miami',
        state: 'FL',
        grade: 95,
        enrollment_year: 2022
}
{
        __id: '1',
        name: 'Alice',
        age: 22,
        city: 'New York',
        state: 'NY',
        grade: 90,
        enrollment_year: 2021
}
{
        __id: '4',
        name: 'bavid',
        age: 21,
        city: 'Austin',
        state: 'TX',
        grade: 88,
        enrollment_year: 2020
}</pre>
```