# LIMIT AND SELECTORS

## Limit:

The limit operator is used with the find method. It's chained after the filter criteria or any sorting operations.

#### **Syntax**:

```
"db.collection.find ({filter}, {projection}).limit (number)"
```

## Example:

```
db> db.students.find({} , {_id:0}).limit(5)
{
    name: 'Student 948',
    age: 19,
    courses: "['English', 'Computer Science', 'Physics', 'Mathematics']",
    gpa: 3.44,
    home_city: 'City 2',
    blood_group: '0+',
    is_hotel_resident: true
},
{
    name: 'Student 157',
    age: 20,
    courses: "['Physics', 'English']",
    gpa: 2.27,
    home_city: 'City 4',
    blood_group: '0-',
    is_hotel_resident: true
},
```

Here the limit is used for that this command give the number of records or documents that we want. In the above example to get only first five document we use limit (5).

#### Selectors:

- Comparison gt and lt.
- AND operator.
- OR operator.

## ➤ Comparison \$gt and \$lt:

## <u>\$gt:</u>

This selects documents where the value of a specified field is greater than the specified value.

#### \$1t:

This selects documents where the value of a specified field is lesser than the specified value. Now, to find all the students with age greater than 20.

## > AND operator:

A logical AND operation on an array of one or more expressions (<expression1>, <expression2>, and so on) and selects the documents that satisfy all the expressions. To find students from "city 2" with blood group "B+".