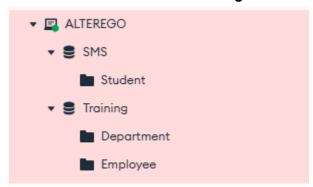
# 1. Create a database sms in mongodb.



- 2. Create collection student with fields name,dateofbirth,city,qualification,email,phone.
- 3. Insert one student document.
- 4. Insert these values into student collection.

's001','rajesh','1980-12-17','kolkata','graduate','rajesh@gmail.com','09830978900'

's002','john','1949-1-7','hyderabad','postgraduate','john@yahoo.com','9833978933'

's003','kunal','1967-2-3','pune','postgraduate','kunal@gmail.com','09830922900'

's004','maya','1990-12-17','kolkata','graduate','maya.com','09830765900'

's005','jadeja','1940-1-23','kolkata','postgraduate','jadeja@yahoo.com','09837865432'

### 5. Use query operators to find

i) Students from city kolkata

```
> db.Student.aggregate([
   { $match: { City: { $eq: "kolkata" } } }
 1)
< €
   _id: 's001',
   Name: 'rajesh',
   DOB: '1980-12-17',
   City: 'kolkata',
   Qualification: 'graduate',
   email: 'rajesh@gmail.com',
   phone: '09830978900'
 }
 {
   _id: 's004',
   Name: 'maya',
   DOB: '1990-12-17',
   City: 'kolkata',
   Qualification: 'graduate',
   email: 'maya.com',
   phone: '9833978933'
 }
```

### ii) Postgraduate students

```
> db.Student.aggregate([
   { $match: { Qualification: { $eq: "postgraduate" } } }
 1)
< €
   _id: 's002',
   Name: 'john',
   DOB: '1949-1-7',
   City: 'hyderabad',
   Qualification: 'postgraduate',
   email: 'john@yahoo.com',
   phone: '9833978933'
 }
 {
   _id: 's003',
   Name: 'kunal',
   DOB: '1967-2-3',
   City: 'pune',
   Qualification: 'postgraduate',
   email: 'kunal@gmail.com',
   phone: '09830922900'
```

## iii)Find number of students in each city

#### iv) Sort students based on name.

```
> db.Student.aggregate([
    { $sort: { Name : 1 }}
 1)
< {
   _id: 's005',
   Name: 'jadeja',
   DOB: '1940-1-23',
   City: 'kolkata',
    Qualification: 'postgraduate',
   email: 'jadeja@yahoo.com',
   phone: '09837865432'
  {
   _id: 's002',
   Name: 'john',
    DOB: '1949-1-7',
    City: 'hyderabad',
    Qualification: 'postgraduate',
    email: 'john@yahoo.com',
    phone: '9833978933'
```