```
use pccoe
switched to db pccoe
> db.createCollection("student")
< { ok: 1 }
> db.student.insertOne({"name": "anjali", "rollno":1 , "dep": "aiml"})
< {
    acknowledged: true,
    insertedId: ObjectId('660ebcfbc7ca74246860d85a')
  }
> db.student.find({ "name": "anjali" })
< {
    _id: ObjectId('660ebcfbc7ca74246860d85a'),
    name: 'anjali',
    rollno: 1,
    dep: 'aiml'
  }
```

```
> db.student.insertOne({"name": "anushka", "rollno":2 , "dep": "comp"})
< {
    acknowledged: true,
    insertedId: ObjectId('660ebd50c7ca74246860d85b')
  }
> db.student.insertOne({"name": "harshad", "rollno":3 , "dep": "IT"})
< {
    acknowledged: true,
    insertedId: ObjectId('660ebd6cc7ca74246860d85c')
  }
> db.student.insertOne({"name": "poonam", "rollno":4 , "dep": "e&tc"})
< {
    acknowledged: true,
    insertedId: ObjectId('660ebd7cc7ca74246860d85d')
  }
> db.student.find({ "rollno":3 })
< {
    _id: ObjectId('660ebd6cc7ca74246860d85c'),
    name: 'harshad',
    rollno: 3,
    dep: 'IT'
```

```
> db.createCollection("teachers")
< { ok: 1 }
```

```
> db.teachers.insertOne({"tname": "heena", "dno": 1, "dname": "comp", "experience": 3, "salary": 40000, "date_of_joining": new
< {
    acknowledged: true,
    insertedId: ObjectId('660ebf0fc7ca74246860d85e')
  }
```

```
> db.teachers.find()
< {
    _id: ObjectId('660ebf0fc7ca74246860d85e'),
    tname: 'heena',
    dno: 1,
    dname: 'comp',
    experience: 3,
    salary: 40000,
    date_of_joining: 2023-01-12T00:00:00.000Z
  }
  {
    _id: ObjectId('660ebf54c7ca74246860d85f'),
    tname: 'kiran',
    dno: 2,
    dname: 'IT',
    experience: 2,
    salary: 35000,
    date_of_joining: 2023-06-24T00:00:00.000Z
  }
  {
    _id: ObjectId('660ebf80c7ca74246860d860'),
    tname: 'mrunal',
    dno: 3,
    dname: 'e&tc',
    experience: 5,
    salary: 55000,
```

```
> db.teachers.find({"dname":"comp"})
< {
    _id: ObjectId('660ebf0fc7ca74246860d85e'),
    tname: 'heena',
    dno: 1,
    dname: 'comp',
    experience: 3,
    salary: 40000,
    date_of_joining: 2023-01-12T00:00:00.000Z
  }
```

```
> db.teachers.find({"dname":{$in:['comp','IT','e&tc']}})
< {
    _id: ObjectId('660ebf0fc7ca74246860d85e'),
    tname: 'heena',
    dno: 1,
    dname: 'comp',
    experience: 3,
    salary: 40000,
    date_of_joining: 2023-01-12T00:00:00.000Z
  }
  {
    _id: ObjectId('660ebf54c7ca74246860d85f'),
    tname: 'kiran',
    dno: 2,
    dname: 'IT',
    experience: 2,
    salary: 35000,
    date_of_joining: 2023-06-24T00:00:00.000Z
  }
  {
    _id: ObjectId('660ebf80c7ca74246860d860'),
    tname: 'mrunal',
    dno: 3,
    dname: 'e&tc',
    experience: 5,
    salary: 55000,
```

```
> db.teachers.find({"dname":{$in:['comp','IT','e&tc']},"salary":{$gte:40000}})
< {
    _id: ObjectId('660ebf0fc7ca74246860d85e'),
    tname: 'heena',
    dno: 1,
    dname: 'comp',
    experience: 3,
    salary: 40000,
    date_of_joining: 2023-01-12T00:00:00.000Z
  }
  {
    _id: ObjectId('660ebf80c7ca74246860d860'),
    tname: 'mrunal',
    dno: 3,
    dname: 'e&tc',
    experience: 5,
    salary: 55000,
    date_of_joining: 2022-07-14T00:00:00.000Z
  }
```

```
> db.student.find({$or:[{"name":"anjali"},{"rollno":2}]})
< {
    _id: ObjectId('660ebcfbc7ca74246860d85a'),
    name: 'anjali',
    rollno: 1,
    dep: 'aiml'
  }
  {
    _id: ObjectId('660ebd50c7ca74246860d85b'),
    name: 'anushka',
    rollno: 2,
    dep: 'comp'
  }
```

```
> db.teachers.updateOne({"tname":"praveen"},{$set:{"experience":10}})
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
```

```
  {
    _id: ObjectId('660ec4bbc7ca74246860d863'),
    tname: 'praveen',
    dno: 5,
    dname: 'aiml',
    experience: 10,
    salary: 30000,
    date_of_joining: 2023-04-21T00:00:00.000Z
  }
```

```
> db.teachers.updateOne({"dname":"IT"},{$set:{"dname":"comp"}})
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
```

```
> db.teachers.find({},{"tname":1,"experience":1})
< {
    _id: ObjectId('660ebf0fc7ca74246860d85e'),
    tname: 'heena',
    experience: 3
  }
  {
    _id: ObjectId('660ebf54c7ca74246860d85f'),
    tname: 'kiran',
    experience: 2
  }
  {
    _id: ObjectId('660ebf80c7ca74246860d860'),
    tname: 'mrunal',
    experience: 5
  }
  {
    _id: ObjectId('660ebfb0c7ca74246860d861'),
    tname: 'anjali',
    experience: 6
  }
  {
    _id: ObjectId('660ebfdcc7ca74246860d862'),
    tname: 'priyanka',
    experience: 1
  }
```

```
> db.teachers.deleteMany({"dname":"comp"})
< {
    acknowledged: true,
    deletedCount: 2
  }
```

```
> db.teachers.find().limit(3).pretty().sort({"tname":1})
< {
    _id: ObjectId('660ebfb0c7ca74246860d861'),
    tname: 'anjali',
    dno: 4,
    dname: 'civil',
    experience: 6,
    salary: 70000,
    date_of_joining: 2021-06-02T00:00:00.000Z
  }
  {
    _id: ObjectId('660ebf80c7ca74246860d860'),
    tname: 'mrunal',
    dno: 3,
    dname: 'e&tc',
    experience: 5,
    salary: 55000,
    date_of_joining: 2022-07-14T00:00:00.000Z
  }
  {
    _id: ObjectId('660ec4bbc7ca74246860d863'),
    tname: 'praveen',
    dno: 5,
    dname: 'aiml',
    experience: 10,
    salary: 30000,
```