

## Assignment No.8

use pccoe

switched to db pccoe

```
db.createCollection('student')
```

```
{ ok: 1 }
```

```
db.student.insertMany([{"Name":"Hari","Roll_No":1,"Div":"A"}, {"Name":"Vedant","Roll_No":2,"Div":"A"}, {"Name":"Mrunalini","Roll_No":3,"Div":"A"}])
```

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('660e47640704060081b24ce0'),
    '1': ObjectId('660e47640704060081b24ce1'),
    '2': ObjectId('660e47640704060081b24ce2')
  }
}
```

```
db.createCollection("teachers")
```

```
{ ok: 1 }
```

```
db.teachers.insertMany([{"tname":"Soham","dname":"AIML","experience":1,"date_of_joining":new Date("2023-05-01"),"Salary":50000,"d_no":2},
{"tname":"Atharva","dname":"IT","experience":2,"date_of_joining":new Date("2023-03-15"),"Salary":80000,"d_no":3},
{"tname":"Meena","dname":"Comp","experience":3,"date_of_joining":new Date("2022-08-11"),"Salary":100000,"d_no":4},
{"tname":"Priya","dname":"AIML","experience":2,"date_of_joining":new Date("2021-04-10"),"Salary":60000,"d_no":2},
{"tname":"Mukul","dname":"Comp","experience":3,"date_of_joining":new Date("2022-03-23"),"Salary":80500,"d_no":4}])
```

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('660e4c1b0704060081b24ce3'),
```

```
'1': ObjectId('660e4c1b0704060081b24ce4'),  
'2': ObjectId('660e4c1b0704060081b24ce5'),  
'3': ObjectId('660e4c1b0704060081b24ce6'),  
'4': ObjectId('660e4c1b0704060081b24ce7')  
}
```

```
}
```

```
db.teachers.find()
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce3'),  
  tname: 'Soham',  
  dname: 'AIML',  
  experience: 1,  
  date_of_joining: 2023-05-01T00:00:00.000Z,  
  Salary: 50000,  
  d_no: 2  
}
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce4'),  
  tname: 'Atharva',  
  dname: 'IT',  
  experience: 2,  
  date_of_joining: 2023-03-15T00:00:00.000Z,  
  Salary: 80000,  
  d_no: 3  
}
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce5'),  
  tname: 'Meena',  
  dname: 'Comp',  
}
```

```
experience: 3,

date_of_joining: 2022-08-11T00:00:00.000Z,

Salary: 100000,

d_no: 4
}

{

  _id: ObjectId('660e4c1b0704060081b24ce6'),

  tname: 'Priya',

  dname: 'AIML',

  experience: 2,

  date_of_joining: 2021-04-10T00:00:00.000Z,

  Salary: 60000,

  d_no: 2
}

{

  _id: ObjectId('660e4c1b0704060081b24ce7'),

  tname: 'Mukul',

  dname: 'Comp',

  experience: 3,

  date_of_joining: 2022-03-23T00:00:00.000Z,

  Salary: 80500,

  d_no: 4
}

db.teachers.find({dname:{$in:["Comp"]}})

{

  _id: ObjectId('660e4c1b0704060081b24ce5'),

  tname: 'Meena',

  dname: 'Comp',

  experience: 3,
```

```
date_of_joining: 2022-08-11T00:00:00.000Z,  
  
Salary: 100000,  
  
d_no: 4  
}  
  
{  
  
  _id: ObjectId('660e4c1b0704060081b24ce7'),  
  
  tname: 'Mukul',  
  
  dname: 'Comp',  
  
  experience: 3,  
  
  date_of_joining: 2022-03-23T00:00:00.000Z,  
  
  Salary: 80500,  
  
  d_no: 4  
}  
  
db.teachers.find({dname:{$in:["Comp"]}}).pretty()  
  
{  
  
  _id: ObjectId('660e4c1b0704060081b24ce5'),  
  
  tname: 'Meena',  
  
  dname: 'Comp',  
  
  experience: 3,  
  
  date_of_joining: 2022-08-11T00:00:00.000Z,  
  
  Salary: 100000,  
  
  d_no: 4  
}  
  
{  
  
  _id: ObjectId('660e4c1b0704060081b24ce7'),  
  
  tname: 'Mukul',  
  
  dname: 'Comp',  
  
  experience: 3,  
  
  date_of_joining: 2022-03-23T00:00:00.000Z,
```

```
Salary: 80500,

d_no: 4

}

db.teachers.find({"Salary":{$gt:80000}})

{
  _id: ObjectId('660e4c1b0704060081b24ce5'),
  tname: 'Meena',
  dname: 'Comp',
  experience: 3,
  date_of_joining: 2022-08-11T00:00:00.000Z,
  Salary: 100000,
  d_no: 4
}

{
  _id: ObjectId('660e4c1b0704060081b24ce7'),
  tname: 'Mukul',
  dname: 'Comp',
  experience: 3,
  date_of_joining: 2022-03-23T00:00:00.000Z,
  Salary: 80500,
  d_no: 4
}

db.student.find({"Roll_No":2})

{
  _id: ObjectId('660e47640704060081b24ce1'),
  Name: 'Vedant',
  Roll_No: 2,
  Div: 'A'
}
```

```
db.teachers.update({tname:"Soham"},{$set:{experience:10}},{upsert:true})
```

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

```
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
db.teachers.find()
```

```
{
  _id: ObjectId('660e4c1b0704060081b24ce3'),
  tname: 'Soham',
  dname: 'AIML',
  experience: 10,
  date_of_joining: 2023-05-01T00:00:00.000Z,
  Salary: 50000,
  d_no: 2
}
```

```
{
  _id: ObjectId('660e4c1b0704060081b24ce4'),
  tname: 'Atharva',
  dname: 'IT',
  experience: 2,
  date_of_joining: 2023-03-15T00:00:00.000Z,
  Salary: 80000,
  d_no: 3
}
```

```
{
```

```
_id: ObjectId('660e4c1b0704060081b24ce5'),
tname: 'Meena',
dname: 'Comp',
experience: 3,
date_of_joining: 2022-08-11T00:00:00.000Z,
Salary: 100000,
d_no: 4
}
{
  _id: ObjectId('660e4c1b0704060081b24ce6'),
  tname: 'Priya',
  dname: 'AIML',
  experience: 2,
  date_of_joining: 2021-04-10T00:00:00.000Z,
  Salary: 60000,
  d_no: 2
}
{
  _id: ObjectId('660e4c1b0704060081b24ce7'),
  tname: 'Mukul',
  dname: 'Comp',
  experience: 3,
  date_of_joining: 2022-03-23T00:00:00.000Z,
  Salary: 80500,
  d_no: 4
}
db.teachers.update({tname:"Gaurav"},{$set:{experience:10}},{upsert:true})
{
  acknowledged: true,
```

```
insertedId: ObjectId('660e52264b2f673bec840466'),  
matchedCount: 0,  
modifiedCount: 0,  
upsertedCount: 1  
}
```

```
db.teachers.find()
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce3'),  
  tname: 'Soham',  
  dname: 'AIML',  
  experience: 10,  
  date_of_joining: 2023-05-01T00:00:00.000Z,  
  Salary: 50000,  
  d_no: 2  
}
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce4'),  
  tname: 'Atharva',  
  dname: 'IT',  
  experience: 2,  
  date_of_joining: 2023-03-15T00:00:00.000Z,  
  Salary: 80000,  
  d_no: 3  
}
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce5'),  
  tname: 'Meena',  
  dname: 'Comp',  
  experience: 3,
```



```
date_of_joining: 2022-08-11T00:00:00.000Z,  
  
Salary: 100000,  
  
d_no: 4  
}  
  
{  
  
  _id: ObjectId('660e4c1b0704060081b24ce6'),  
  
  tname: 'Priya',  
  
  dname: 'AIML',  
  
  experience: 2,  
  
  date_of_joining: 2021-04-10T00:00:00.000Z,  
  
  Salary: 60000,  
  
  d_no: 2  
}  
  
{  
  
  _id: ObjectId('660e4c1b0704060081b24ce7'),  
  
  tname: 'Mukul',  
  
  dname: 'Comp',  
  
  experience: 3,  
  
  date_of_joining: 2022-03-23T00:00:00.000Z,  
  
  Salary: 80500,  
  
  d_no: 4  
}  
  
{  
  
  _id: ObjectId('660e52264b2f673bec840466'),  
  
  tname: 'Gaurav',  
  
  experience: 10  
}
```

```
db.teachers.update({"dname":"IT"},{$set:{"dname":"Comp"}},{upsert:true})
```

```
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 1,  
  modifiedCount: 1,  
  upsertedCount: 0  
}
```

```
db.teachers.find()
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce3'),  
  tname: 'Soham',  
  dname: 'AIML',  
  experience: 10,  
  date_of_joining: 2023-05-01T00:00:00.000Z,  
  Salary: 50000,  
  d_no: 2  
}
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce4'),  
  tname: 'Atharva',  
  dname: 'Comp',  
  experience: 2,  
  date_of_joining: 2023-03-15T00:00:00.000Z,  
  Salary: 80000,  
  d_no: 3  
}
```

```
{  
  _id: ObjectId('660e4c1b0704060081b24ce5'),
```

```
tname: 'Meena',  
dname: 'Comp',  
experience: 3,  
date_of_joining: 2022-08-11T00:00:00.000Z,  
Salary: 100000,  
d_no: 4  
}  
  
{  
  _id: ObjectId('660e4c1b0704060081b24ce6'),  
  tname: 'Priya',  
  dname: 'AIML',  
  experience: 2,  
  date_of_joining: 2021-04-10T00:00:00.000Z,  
  Salary: 60000,  
  d_no: 2  
}  
  
{  
  _id: ObjectId('660e4c1b0704060081b24ce7'),  
  tname: 'Mukul',  
  dname: 'Comp',  
  experience: 3,  
  date_of_joining: 2022-03-23T00:00:00.000Z,  
  Salary: 80500,  
  d_no: 4  
}  
  
{  
  _id: ObjectId('660e52264b2f673bec840466'),  
  tname: 'Gaurav',  
  experience: 10
```

```
}
```

```
db.teachers.remove({"dname":"IT"})
```

DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.

```
{
```

```
  acknowledged: true,
```

```
  deletedCount: 0
```

```
}
```

```
db.teachers.find()
```

```
{
```

```
  _id: ObjectId('660e4c1b0704060081b24ce3'),
```

```
  tname: 'Soham',
```

```
  dname: 'AIML',
```

```
  experience: 10,
```

```
  date_of_joining: 2023-05-01T00:00:00.000Z,
```

```
  Salary: 50000,
```

```
  d_no: 2
```

```
}
```

```
{
```

```
  _id: ObjectId('660e4c1b0704060081b24ce4'),
```

```
  tname: 'Atharva',
```

```
  dname: 'Comp',
```

```
  experience: 2,
```

```
  date_of_joining: 2023-03-15T00:00:00.000Z,
```

```
  Salary: 80000,
```

```
  d_no: 3
```

```
}
```

```
{
```

```
  _id: ObjectId('660e4c1b0704060081b24ce5'),
```

```
  tname: 'Meena',
```

```
  dname: 'Comp',
  experience: 3,
  date_of_joining: 2022-08-11T00:00:00.000Z,
  Salary: 100000,
  d_no: 4
}
{
  _id: ObjectId('660e4c1b0704060081b24ce6'),
  tname: 'Priya',
  dname: 'AIML',
  experience: 2,
  date_of_joining: 2021-04-10T00:00:00.000Z,
  Salary: 60000,
  d_no: 2
}
{
  _id: ObjectId('660e4c1b0704060081b24ce7'),
  tname: 'Mukul',
  dname: 'Comp',
  experience: 3,
  date_of_joining: 2022-03-23T00:00:00.000Z,
  Salary: 80500,
  d_no: 4
}
```