

Exp 2

```
test> use student
switched to db student
student> db.createCollection("MyCollection")
{ ok: 1 }
student> show dbs
admin   40.00 KiB
config  72.00 KiB
local   40.00 KiB
student 8.00 KiB
student> show collections
MyCollection
student>
```

EXP-3

```
student> db.student.insertOne({Firstname: "Pallavi",Lastname:"Kumari"})
{
  acknowledged: true,
  insertedId: ObjectId("643f51729fb4fc9add93fc23")
}
student>
db.student.insertMany([{Firstname:"Akash",Lastname:"Kumar",Regno:"401200"},{Firstname:"Abhinay",Lastname:"Sharma",Regno:"401201"}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("643f52249fb4fc9add93fc24"),
    '1': ObjectId("643f52249fb4fc9add93fc25")
  }
}
student>
db.student.updateOne({Firstname:"Akash"},{$set:{Lastname:"Vijay"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
```

```
    modifiedCount: 1,  
    upsertedCount: 0  
  }  
student> db.student.updateMany({},{$set:{Regno:"009"}})  
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 3,  
  modifiedCount: 3,  
  upsertedCount: 0  
}
```

EXP-4

Find()

```
student> db.student.find()  
[  
  {  
    _id: ObjectId("643f51729fb4fc9add93fc23"),  
    Firstname: 'Pallavi',  
    Lastname: 'Kumari',  
    Regno: '009'  
  },  
  {  
    _id: ObjectId("643f52249fb4fc9add93fc24"),  
    Firstname: 'Akash',  
    Lastname: 'Vijay',  
    Regno: '009'  
  },  
  {  
    _id: ObjectId("643f52249fb4fc9add93fc25"),  
    Firstname: 'Abhinay',  
    Lastname: 'Sharma',  
    Regno: '009'  
  }  
]
```

Pretty()

```
student> db.student.find().pretty()
```

```
[
  {
    _id: ObjectId("643f51729fb4fc9add93fc23"),
    Firstname: 'Pallavi',
    Lastname: 'Kumari',
    Regno: '009'
  },
  {
    _id: ObjectId("643f52249fb4fc9add93fc24"),
    Firstname: 'Akash',
    Lastname: 'Vijay',
    Regno: '009'
  },
  {
    _id: ObjectId("643f52249fb4fc9add93fc25"),
    Firstname: 'Abhinay',
    Lastname: 'Sharma',
    Regno: '009'
  }
]
```

FindOne()

```
student> db.student.findOne({Lastname:"Vijay"})
```

```
{
  _id: ObjectId("643f52249fb4fc9add93fc24"),
  Firstname: 'Akash',
  Lastname: 'Vijay',
  Regno: '009'
}
```

AND

```
student> db.student.find({$and: [{Firstname:"Akash"},{Regno:"009"}]})
```

```
[
  {
    _id: ObjectId("643f52249fb4fc9add93fc24"),
    Firstname: 'Akash',
    Lastname: 'Vijay',
    Regno: '009'
  }
]
```

```
]
```

OR

```
student> db.student.find({$or: [{Firstname:"Akash"},{Lastname:"Sharma"}]})
```

```
[
```

```
{
```

```
  _id: ObjectId("643f52249fb4fc9add93fc24"),
```

```
  Firstname: 'Akash',
```

```
  Lastname: 'Vijay',
```

```
  Regno: '009'
```

```
},
```

```
{
```

```
  _id: ObjectId("643f52249fb4fc9add93fc25"),
```

```
  Firstname: 'Abhinay',
```

```
  Lastname: 'Sharma',
```

```
  Regno: '009'
```

```
}
```

```
]
```

NOT

```
student> db.student.find({"Lastname":{$not: {$eq:"Sharma"}}})
```

```
[
```

```
{
```

```
  _id: ObjectId("643f51729fb4fc9add93fc23"),
```

```
  Firstname: 'Pallavi',
```

```
  Lastname: 'Kumari',
```

```
  Regno: '009'
```

```
},
```

```
{
```

```
  _id: ObjectId("643f52249fb4fc9add93fc24"),
```

```
  Firstname: 'Akash',
```

```
  Lastname: 'Vijay',
```

```
  Regno: '009'
```

```
}
```

```
]
```

EXP – 5

Limit

```
student> db.student.find({Regno:"009"}).limit(2)
```

```
[
  {
    _id: ObjectId("643f51729fb4fc9add93fc23"),
    Firstname: 'Pallavi',
    Lastname: 'Kumari',
    Regno: '009'
  },
  {
    _id: ObjectId("643f52249fb4fc9add93fc24"),
    Firstname: 'Akash',
    Lastname: 'Vijay',
    Regno: '009'
  }
]
```

Skip()

```
student> db.student.find({Regno:"009"}).limit(2).skip(1)
```

```
[
  {
    _id: ObjectId("643f52249fb4fc9add93fc24"),
    Firstname: 'Akash',
    Lastname: 'Vijay',
    Regno: '009'
  },
  {
    _id: ObjectId("643f52249fb4fc9add93fc25"),
    Firstname: 'Abhinay',
    Lastname: 'Sharma',
    Regno: '009'
  }
]
```

Sort()

```
student> db.student.find({Regno:"009"}).sort({Firstname:-1})
```

```
[
  {
```

```

    _id: ObjectId("643f51729fb4fc9add93fc23"),
    Firstname: 'Pallavi',
    Lastname: 'Kumari',
    Regno: '009'
  },
  {
    _id: ObjectId("643f52249fb4fc9add93fc24"),
    Firstname: 'Akash',
    Lastname: 'Vijay',
    Regno: '009'
  },
  {
    _id: ObjectId("643f52249fb4fc9add93fc25"),
    Firstname: 'Abhinay',
    Lastname: 'Sharma',
    Regno: '009'
  }
]

```

EXP 6

CreateIndex()

```

student> db.student.createIndex({Firstname:1})
Firstname_1

```

DropIndex()

```

student> db.student.dropIndex({Firstname:1})
{ nIndexesWas: 2, ok: 1 }
student>

```

GetIndex()

```

student> db.student.getIndexes()
[ { v: 2, key: { _id: 1 }, name: '_id_' } ]
student>

```