

```
use mainDB;
switched to db mainDB
```

```
show dbs;
admin 0.000GB
config 0.000GB
local 0.000GB
myDB 0.000GB
```

```
db.createCollection("Student");
{ "ok" : 1 }
```

```
db.Student.insert({_id:1,StudName:"MichelleJacintha",Grade:"VII"},{$set:{Hobbies:"Skating"}},
{upsert:true});
WriteResult({ "nInserted" : 1 })
```

```
db.Student.insert({_id:3,StudName:"AryanDavid",Grade:"VII"},{$set:{Hobbies:"Skating"}},
{upsert:true});
WriteResult({ "nInserted" : 1 })
```

```
db.Student.find({}, {StudName:1,Grade:1,_id:0});
{ "StudName" : "MichelleJacintha", "Grade" : "VII" }
{ "StudName" : "AryanDavid", "Grade" : "VII" }
```

```
db.Student.find({}, {StudName:1,Grade:1,_id:0});
{ "StudName" : "MichelleJacintha", "Grade" : "VII" }
{ "StudName" : "AryanDavid", "Grade" : "VII" }
```

```
> db.Student.find({StudName:/^M/}).pretty();
{ "_id" : 1, "StudName" : "MichelleJacintha", "Grade" : "VII" }
```

```
db.Student.find({StudName:/e/}).pretty();
{ "_id" : 1, "StudName" : "MichelleJacintha", "Grade" : "VII" }
```

```
db.Student.count();
2
```

```
db.Student.find().sort({StudName:-1}).pretty();
{ "_id" : 1, "StudName" : "MichelleJacintha", "Grade" : "VII" }
{ "_id" : 3, "StudName" : "AryanDavid", "Grade" : "VII" }
```

```
db.Students.save({StudName:"Vamsi",Grade:"VI"})
WriteResult({ "nInserted" : 1 })
```

```
db.Student.find({}).pretty();
{ "_id" : 1, "StudName" : "MichelleJacintha", "Grade" : "VI" }
{ "_id" : 3, "StudName" : "AryanDavid", "Grade" : "VII" }
```

```
db.Student.find({}, {Hobbies:1});
{ "_id" : 1 }
{ "_id" : 3 }
```

```
> db.Students.update({_id:4},{ $set:{Location:"Network"}})
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.Students.update({_id:4},{ $unset:{Location:"Network"}})
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
```

```
db.Student.find({_id:1},{StudName:1,Grade:1,_id:0});
{ "StudName" : "MichelleJacintha", "Grade" : "VII" }
```

```
db.Student.update({_id:3},{ $set:{Location:null}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Students.update({_id:3},{ $set:{Location:null}})
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.Students.count()
1
> db.Students.count({Grade:"VII"})
0
```

```
db.Student.find({Grade:"VII"}).limit(3).pretty();
{ "_id" : 1, "StudName" : "MichelleJacintha", "Grade" : "VII" }
{
  "_id" : 3,
  "StudName" : "AryanDavid",
  "Grade" : "VII",
  "Location" : null
}
```

```
db.Student.find().sort({StudName:1}).pretty();
{
  "_id" : 3,
  "StudName" : "AryanDavid",
  "Grade" : "VII",
  "Location" : null
}
{ "_id" : 1, "StudName" : "MichelleJacintha", "Grade" : "VII" }
> db.Students.find().skip(2).pretty()
```

```
db.food.insert({_id:3,fruits:['grapes','mango','banana']})
WriteResult({ "nInserted" : 1 })
```