

```
> db.products.updateOne({_id:1},{ $set:{price:899}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.products.updateOne({_id:4},{ $set:{ "spec.ram":16, "spec.screen":10.7,
"spec.cpu":2.66}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateOne({_id:4},{ $set:{ "storage.0":16,"storage.1":32}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateMany({_id:{$lt:2}},{$set:{price:199}})
```

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

```
> db.products.find()
```

```
< {  
  _id: 1,  
  name: 'xPhone',  
  price: 199,  
  releaseDate: 2011-05-14T00:00:00.000Z,  
  spec: {  
    ram: 4,  
    screen: 6.5,  
    cpu: 2.66  
  },  
  color: [  
    'white',  
    'black'  
  ],  
  storage: [  
    64,  
    128,  
    256  
  ]  
}
```

```
> db.products.updateMany({_id:{$in:[1,2,3]}},{$set:{"storage.0":16, "storage.1":32}})
```

```
< {  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 3,  
  modifiedCount: 3,  
  upsertedCount: 0  
}
```

```
> db.products.updateOne({_id:1},{ $inc:{price: 50}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateOne({_id:1},{ $inc:{price: -150}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateOne({_id:1},{ $inc:{price:50,"spec.ram":4}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateOne({_id:1},{ $inc:{price:50,"spec.ram":4}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateOne({_id:5},{ $min:{Price:699}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateOne({_id:1},{ $max:{price:699}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 0,
  upsertedCount: 0
}
> db.products.find({_id:1})
< {
  _id: 1,
  name: 'xPhone',
  price: 799,
  releaseDate: 2011-05-14T00:00:00.000Z,
  spec: {
    ram: 4,
    screen: 6.5,
    cpu: 2.66
  },
  color: [
    'white',
    'black'
  ],
  storage: [
    64,
    128,
    256
  ]
}
```

```
> db.products.updateOne({_id:1},{ $max:{price:899}})
```

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

```
> db.products.find({_id:1})
```

```
< {  
  _id: 1,  
  name: 'xPhone',  
  price: 899,  
  releaseDate: 2011-05-14T00:00:00.000Z,  
  spec: {  
    ram: 4,  
    screen: 6.5,  
    cpu: 2.66  
  },  
  color: [  
    'white',  
    'black'  
  ],  
  storage: [  
    64,  
    128,  
    256  
  ]  
}
```

```
> db.products.updateOne({_id:1},{ $mul:{"storage.0":2,"storage.1":2,"storage.2":2}})
```

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

```
> db.products.updateOne({_id:1},{ $mul:{"storage.0":2,"storage.1":2,"storage.2":2}})
```

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

```
> db.products.updateOne({_id:1},{ $unset:{price:""}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateMany({}, { $unset:{ "spec.ram": "" } })
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}
```

```
> db.products.find()
< {
  _id: 1,
  name: 'xPhone',
  releaseDate: 2011-05-14T00:00:00.000Z,
  spec: {
    screen: 6.5,
    cpu: 2.66
  },
  color: [
    'white',
    'black'
  ],
  storage: [
    64,
    128,
    256
  ]
}
{
  _id: 2,
  name: 'xTablet',
  price: 899,
  releaseDate: 2011-09-01T00:00:00.000Z,
  spec: {
    screen: 9.5,
    cpu: 3.66
  },
}
```

```
> db.products.updateMany({},{$unset : {"storage.0" : ""}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}
```

```
> db.products.updateMany({_id:3},{
  $unset:{
    'storage.0': "",
    price: ""
  }
})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
> db.products.updateMany({},{$rename:{nmea:"name"}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}
```

```
> db.products.updateMany({},{$rename:{"spec.screen":"spec.screenSize"}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}
```



```
> db.products.updateOne({_id:1},{ $rename:{ "spec.cpu": "cpu" }})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
operators> db.products.find()
```

```
> db.products.find()
< {
  _id: 1,
  price: 799,
  releaseDate: 2011-05-14T00:00:00.000Z,
  spec: {
    ram: 4,
    screenSize: 6.5
  },
  color: [
    'white',
    'black'
  ],
  storage: [
    64,
    128,
    256
  ],
  name: 'xPhone',
  cpu: 2.66
}
```

```
> db.products.updateOne({_id:2},{ $rename:{ "color": "storage" }})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.products.find({_id:2})
< {
  _id: 2,
  price: 899,
  releaseDate: 2011-09-01T00:00:00.000Z,
  spec: {
    ram: 16,
    cpu: 3.66,
    screenSize: 9.5
  },
  storage: [
    'white',
    'black',
    'purple'
  ],
  name: 'xTablet'
}
```

```
> db.products.updateMany({_id:6},{ $set:{price:999}}, {upsert:true})
< {
  acknowledged: true,
  insertedId: 6,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 1
}
```

```
{
  _id: 6,
  price: 999
}
```