

```
#01
dbcmr> db.tbler.find()
[
  { _id: 1, rno: 1001, sname: 'x5', m1: 56.5, m2: 63 },
  { _id: 2, rno: 1002, sname: 'x3', m1: 53, m2: 26 },
  { _id: 3, rno: 1003, sname: 'x1', m1: 55.5, m2: 39.5 },
  { _id: 4, rno: 1004, sname: 'x2', m1: 79, m2: 27.5 },
  { _id: 5, rno: 1005, sname: 'x4', m1: 62, m2: 44.5 }
]

#02
dbcmr> db.tbler.count()
5

#03
dbcmr> db.tbler.countDocuments({})
5

#04
dbcmr> db.tbler.updateMany(
... {},
... [
... $set: {total: {$add: ['$m1', '$m2']}},
... ]
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}

#05
dbcmr> db.tbler.find()
[
  { _id: 1, rno: 1001, sname: 'x5', m1: 56.5, m2: 63, total: 119.5 },
  { _id: 2, rno: 1002, sname: 'x3', m1: 53, m2: 26, total: 79 },
  { _id: 3, rno: 1003, sname: 'x1', m1: 55.5, m2: 39.5, total: 95 },
  { _id: 4, rno: 1004, sname: 'x2', m1: 79, m2: 27.5, total: 106.5 },
  { _id: 5, rno: 1005, sname: 'x4', m1: 62, m2: 44.5, total: 106.5 }
]

#06
dbcmr> db.tbler.count()
5

#07
dbcmr> db.tbler.countDocuments({})
5

#08
dbcmr> db.tbler.updateMany(
... {},
... [
... ${$set: {
... result: {
... $cond: {
... if: {$gt:['$m1', 34.4]},
... then: 'Pass',
... else: 'Fail',
... }
... }
... }]
```

```
... }
... }]
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}

#09
dbcmr> db.tbler.find()
[
  {
    _id: 1,
    rno: 1001,
    sname: 'x5',
    m1: 56.5,
    m2: 63,
    total: 119.5,
    result: 'Pass'
  },
  {
    _id: 2,
    rno: 1002,
    sname: 'x3',
    m1: 53,
    m2: 26,
    total: 79,
    result: 'Pass'
  },
  {
    _id: 3,
    rno: 1003,
    sname: 'x1',
    m1: 55.5,
    m2: 39.5,
    total: 95,
    result: 'Pass'
  },
  {
    _id: 4,
    rno: 1004,
    sname: 'x2',
    m1: 79,
    m2: 27.5,
    total: 106.5,
    result: 'Pass'
  },
  {
    _id: 5,
    rno: 1005,
    sname: 'x4',
    m1: 62,
    m2: 44.5,
    total: 106.5,
    result: 'Pass'
  }
]

#10
dbcmr> db.tbler.updateMany(
  ... {},
  ... [{
```

```
... $set:{  
... result:{  
... $cond:{  
... if: {$gt:['$m1',34.4],$gt:['$m2',34.4]},  
... then:'Pass',  
... else:'Fail',  
... }  
... }  
... }  
... }]  
... )  
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 5,  
  modifiedCount: 2,  
  upsertedCount: 0  
}  
}
```

```
#11
```

```
dbcmr> db.tbler.find()
```

```
[  
  {  
    _id: 1,  
    rno: 1001,  
    sname: 'x5',  
    m1: 56.5,  
    m2: 63,  
    total: 119.5,  
    result: 'Pass'  
  },  
  {  
    _id: 2,  
    rno: 1002,  
    sname: 'x3',  
    m1: 53,  
    m2: 26,  
    total: 79,  
    result: 'Fail'  
  },  
  {  
    _id: 3,  
    rno: 1003,  
    sname: 'x1',  
    m1: 55.5,  
    m2: 39.5,  
    total: 95,  
    result: 'Pass'  
  },  
  {  
    _id: 4,  
    rno: 1004,  
    sname: 'x2',  
    m1: 79,  
    m2: 27.5,  
    total: 106.5,  
    result: 'Fail'  
  },  
  {  
    _id: 5,  
    rno: 1005,  
    sname: 'x4',  
    m1: 62,  
    m2: 44.5,  
    total: 106.5,
```

```
        result: 'Pass'
    }
]

#12
dbcmr> db.tbler.updateMany(
... {},
... [
... $set: {avg: {$divide: ['$total' ,2]}}
... ]
...
{
    acknowledged: true,
    insertedId: null,
    matchedCount: 5,
    modifiedCount: 5,
    upsertedCount: 0
}

#13
dbcmr> db.tbler.find()
[
    {
        _id: 1,
        rno: 1001,
        sname: 'x5',
        m1: 56.5,
        m2: 63,
        total: 119.5,
        result: 'Pass',
        avg: 59.75
    },
    {
        _id: 2,
        rno: 1002,
        sname: 'x3',
        m1: 53,
        m2: 26,
        total: 79,
        result: 'Fail',
        avg: 39.5
    },
    {
        _id: 3,
        rno: 1003,
        sname: 'x1',
        m1: 55.5,
        m2: 39.5,
        total: 95,
        result: 'Pass',
        avg: 47.5
    },
    {
        _id: 4,
        rno: 1004,
        sname: 'x2',
        m1: 79,
        m2: 27.5,
        total: 106.5,
        result: 'Fail',
        avg: 53.25
    },
    {
        _id: 5,
        rno: 1005,
```

```
sname: 'x4',
m1: 62,
m2: 44.5,
total: 106.5,
result: 'Pass',
avg: 53.25
}
]
#14
dbcmr> db.tbler.updateMany(
... {},
... [
... $replaceWith:{
... 'rno':'$rno',
... 'sname':'$sname',
... 'm1':'$m1',
... 'm2':'$m2',
... 'total':'$total',
... 'avg':'$avg',
... 'result':'$result'
... }
... ]
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}
```

```
#15
dbcmr> db.tbler.find()
[
  {
    _id: 1,
    rno: 1001,
    sname: 'x5',
    m1: 56.5,
    m2: 63,
    total: 119.5,
    avg: 59.75,
    result: 'Pass'
  },
  {
    _id: 2,
    rno: 1002,
    sname: 'x3',
    m1: 53,
    m2: 26,
    total: 79,
    avg: 39.5,
    result: 'Fail'
  },
  {
    _id: 3,
    rno: 1003,
    sname: 'x1',
    m1: 55.5,
    m2: 39.5,
    total: 95,
    avg: 47.5,
    result: 'Pass'
  },
]
```

```
{
  _id: 4,
  rno: 1004,
  sname: 'x2',
  m1: 79,
  m2: 27.5,
  total: 106.5,
  avg: 53.25,
  result: 'Fail'
},
{
  _id: 5,
  rno: 1005,
  sname: 'x4',
  m1: 62,
  m2: 44.5,
  total: 106.5,
  avg: 53.25,
  result: 'Pass'
}
]
```