

```

#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',
... }
... }
... }

```

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... }
... }]
... )
{
  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'
}
]
```