

```

project> db.unicorns.find({gender: 'm'});
[
  {
    _id: ObjectId('674f9f57c1687a95decdcdfb'),
    name: 'Horny',
    dob: ISODate('1992-03-13T02:17:00.000Z'),
    loves: [ 'carrot', 'papaya' ],
    weight: 600,
    gender: 'm',
    vampires: 63
  },
  {
    _id: ObjectId('674f9f57c1687a95decdcdfd'),
    name: 'Unicrom',
    dob: ISODate('1973-02-09T16:40:00.000Z'),
    loves: [ 'energon', 'redbull' ],
    weight: 984,
    gender: 'm',
    vampires: 182
  },
  {
    _id: ObjectId('674f9f57c1687a95decdcdfc'),
    name: 'Roooooodles',
    dob: ISODate('1979-08-18T13:14:00.000Z'),
    loves: [ 'apple' ],
    weight: 575,
    gender: 'm',
    vampires: 99
  }
]
project> db.unicorns.findOne({gender: 'm'});
{
  _id: ObjectId('674f9f57c1687a95decdcdfb'),
  name: 'Horny',
  dob: ISODate('1992-03-13T02:17:00.000Z'),
  loves: [ 'carrot', 'papaya' ],
  weight: 600,
  gender: 'm',
  vampires: 63
}

```

```
project> db.unicorns.findOne({gender: 'm', weight: {$gt: 700}});
{
  _id: ObjectId('674f9f57c1687a95decdcdfd'),
  name: 'Unicrom',
  dob: ISODate('1973-02-09T16:40:00.000Z'),
  loves: [ 'energon', 'redbull' ],
  weight: 984,
  gender: 'm',
  vampires: 182
}
project> db.unicorns.find({gender: 'm', weight: {$gt: 700}});
[
  {
    _id: ObjectId('674f9f57c1687a95decdcdfd'),
    name: 'Unicrom',
    dob: ISODate('1973-02-09T16:40:00.000Z'),
    loves: [ 'energon', 'redbull' ],
    weight: 984,
    gender: 'm',
    vampires: 182
  }
]
```

```
project> db.unicorns.find({vampires:{$exists:false}});
```

```
project> db.unicorns.find({vampires:{$exists:true}});
```

```
[
  {
    _id: ObjectId('674f9f57c1687a95decdcdfb'),
    name: 'Horny',
    dob: ISODate('1992-03-13T02:17:00.000Z'),
    loves: [ 'carrot', 'papaya' ],
    weight: 600,
    gender: 'm',
    vampires: 63
  },
  {
    _id: ObjectId('674f9f57c1687a95decdcdfc'),
    name: 'Aurora',
    dob: ISODate('1991-01-24T07:30:00.000Z'),
    loves: [ 'carrot', 'grape' ],
    weight: 450,
    gender: 'f',
    vampires: 43
  },
  {
    _id: ObjectId('674f9f57c1687a95decdcdfd'),
    name: 'Unicrom',
    dob: ISODate('1973-02-09T16:40:00.000Z'),
    loves: [ 'energon', 'redbull' ],
    weight: 984,
    gender: 'm',
    vampires: 182
  },
  {
    _id: ObjectId('674f9f57c1687a95decdcdfe'),
    name: 'Roooooodles',
    dob: ISODate('1979-08-18T13:14:00.000Z'),
    loves: [ 'apple' ],
    weight: 575,
    gender: 'm',
    vampires: 99
  },
]
```

```
project> db.unicorns.find({loves:{$in:['apple','carrot']}});
[
  {
    _id: ObjectId('674f9f57c1687a95decddcfb'),
    name: 'Horny',
    dob: ISODate('1992-03-13T02:17:00.000Z'),
    loves: [ 'carrot', 'papaya' ],
    weight: 600,
    gender: 'm',
    vampires: 63
  },
  {
    _id: ObjectId('674f9f57c1687a95decddcfc'),
    name: 'Aurora',
    dob: ISODate('1991-01-24T07:30:00.000Z'),
    loves: [ 'carrot', 'grape' ],
    weight: 450,
    gender: 'f',
    vampires: 43
  },
  {
    _id: ObjectId('674f9f57c1687a95decddcfe'),
    name: 'Roooooodles',
    dob: ISODate('1979-08-18T13:14:00.000Z'),
    loves: [ 'apple' ],
    weight: 575,
    gender: 'm',
    vampires: 99
  },
  {
    _id: ObjectId('674f9f59c1687a95decddcff'),
    name: 'Solnara',
    dob: ISODate('1985-07-03T20:31:00.000Z'),
    loves: [ 'apple', 'carrot', 'chocolate' ],
    weight: 550,
    gender: 'f',
    vampires: 80
  }
]
```

```

project> db.unicorns.find({gender:'m', $or:[{weight:{$gte:700}}]});
[
  {
    _id: ObjectId('674f9f57c1687a95decdcdfd'),
    name: 'Unicrom',
    dob: ISODate('1973-02-09T16:40:00.000Z'),
    loves: [ 'energon', 'redbull' ],
    weight: 984,
    gender: 'm',
    vampires: 182
  }
]
project> db.unicorns.find({gender:'m', $or:[{weight:{$gte:700}, loves:'redbull'}]});
[
  {
    _id: ObjectId('674f9f57c1687a95decdcdfd'),
    name: 'Unicrom',
    dob: ISODate('1973-02-09T16:40:00.000Z'),
    loves: [ 'energon', 'redbull' ],
    weight: 984,
    gender: 'm',
    vampires: 182
  }
]

```

```

project> db.unicorns.updateOne({gender:'m'}, {$set:{weight:700}});
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
project> db.unicorns.findOne({weight:700});
{
  _id: ObjectId('674f9f57c1687a95decdcdfb'),
  name: 'Horny',
  dob: ISODate('1992-03-13T02:17:00.000Z'),
  loves: [ 'carrot', 'papaya' ],
  weight: 700,
  gender: 'm',
  vampires: 63,
  wight: 700
}

```

```
project> db.unicorns.updateOne({weight:700},{ $inc:{vampires:-2}});
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
project> db.unicorns.findOne({weight:700});
{
  _id: ObjectId('674f9f57c1687a95decdcdfb'),
  name: 'Horny',
  dob: ISODate('1992-03-13T02:17:00.000Z'),
  loves: [ 'carrot', 'papaya' ],
  weight: 700,
  gender: 'm',
  vampires: 61,
  wight: 700
}
```

```
project> db.unicorns.updateOne({weight:700},{ $inc:{vampires:2}});
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
project> db.unicorns.findOne({weight:700});
{
  _id: ObjectId('674f9f57c1687a95decdcdfb'),
  name: 'Horny',
  dob: ISODate('1992-03-13T02:17:00.000Z'),
  loves: [ 'carrot', 'papaya' ],
  weight: 700,
  gender: 'm',
  vampires: 63,
  wight: 700
}
```

```
project> db.unicorns.updateOne({weight:700},{ $push:{loves: 'manogo' }});
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
project> db.unicorns.findOne({weight:700});
{
  _id: ObjectId('674f9f57c1687a95decdcdfb'),
  name: 'Horny',
  dob: ISODate('1992-03-13T02:17:00.000Z'),
  loves: [ 'carrot', 'papaya', 'manogo' ],
  weight: 700,
  gender: 'm',
  vampires: 63,
  wight: 700
}
```

Upserts :