

```

    }
  }
  > db.products.find(
    { releaseDate: { $lt: ISODate("2015-01-01") } },
    { name: 1, releaseDate: 1, _id: 0 }
  );
< {
  name: 'xPhone',
  releaseDate: 2011-05-14T00:00:00.000Z
}
{
  name: 'xTablet',
  releaseDate: 2011-09-01T00:00:00.000Z
}
> db.products.find({
  "releaseDate":{
    "$lt": ISODate("2015-01-01")}},{name:1 , "releaseDate":1})
< {
  _id: 1,
  name: 'xPhone',
  releaseDate: 2011-05-14T00:00:00.000Z
}
{
  _id: 2,
  name: 'xTablet',
  releaseDate: 2011-09-01T00:00:00.000Z
}

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> db.products.find(
  { releaseDate: { $gte: ISODate("2020-01-01") } },
  { name: 1, releaseDate: 1, _id: 0 }
);
< {
  name: 'SmartPad',
  releaseDate: 2020-05-14T00:00:00.000Z
}
{
  name: 'SmartPhone',
  releaseDate: 2022-09-14T00:00:00.000Z
}
> db.products.find({ price: { $ne: 899 } })
< {
  _id: 1,
  name: 'xPhone',
  price: 799,
  releaseDate: 2011-05-14T00:00:00.000Z,
  price: 799,

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    }
    > db.products.find({ "color": { $in: ["purple", "gold"] } })
    < {
      _id: 2,
      name: 'xTablet',
      price: 899,
      releaseDate: 2011-09-01T00:00:00.000Z,
      spec: {
        ram: 16,
        screen: 9.5,
        cpu: 3.66
      },
      color: [
        'white',
        'black',
        'purple'
      ],
      storage: [
        128,
        256,
        512
      ]
    }
    {
      _id: 4,
      name: 'SmartPad',
      price: 699,
      releaseDate: 2020-05-14T00:00:00.000Z,
      spec: {
        ram: 8,
        screen: 9.7,
        cpu: 1.66
      },
    },
  ],
}

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    }
  }
  > db.products.find({ "color": { $nin: ["white", "black"] } })
  < {
    _id: 3,
    name: 'SmartTablet',
    price: 899,
    releaseDate: 2015-01-14T00:00:00.000Z,
    spec: {
      ram: 12,
      screen: 9.7,
      cpu: 3.66
    },
    color: [
      'blue'
    ],
    storage: [
      16,
      64,
      128
    ]
  }
}

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> db.products.find({
  $and: [
    { "spec.ram": { $gte: 8 } },
    { price: { $lt: 800 } }
  ]
})
< {
  _id: 4,
  name: 'SmartPad',
  price: 699,
  releaseDate: 2020-05-14T00:00:00.000Z,
  spec: {
    ram: 8,
    screen: 9.7,
    cpu: 1.66
  },
  color: [
    'white',
    'orange',
    'gold',
    'gray'
  ],
  storage: [
    128,
    256,
    1024
  ]
}

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> db.products.find({ "spec.ram": { $exists: true } })
< {
  _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
  ]
}
{
  _id: 2,
  name: 'xTablet',
  price: 899,
  releaseDate: 2011-09-01T00:00:00.000Z,
  spec: {
    ram: 16,
    screen: 9.5,
    cpu: 3.66
  },

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> db.products.find({ color: { $all: ["white", "black"] } })
< {
  _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
  ]
}
{
  _id: 2,
  name: 'xTablet',
  price: 899,
  releaseDate: 2011-09-01T00:00:00.000Z,
  spec: {
    ram: 16,
    screen: 9.5,
    cpu: 3.66
  },
  color: [
    'white',
    'black',

```

```

> db.products.find({ name: /smart/i}, {_id: 0, name: 1});
< {
  name: 'SmartTablet'
}
{
  name: 'SmartPad'
}
{
  name: 'SmartPhone'
}
> db.products.find({ name: { $regex: "^.{8}$" } })
< {
  _id: 4,
  name: 'SmartPad',
  price: 699,
  releaseDate: 2020-05-14T00:00:00.000Z,
  spec: {
    ram: 8,
    screen: 9.7,
    cpu: 1.66
  },
  color: [
    'white',
    'orange',
    'gold',
    'gray'
  ],
  storage: [
    128,
    256,
    1024
  ]
}
vit>

```

```

> db.products.find(
  {
    releaseDate: {
      $in: [
        ISODate("2011-05-14"),
        ISODate("2015-01-14")
      ]
    }
  },
  { name: 1, releaseDate: 1, _id: 0 }
);
< {
  name: 'xPhone',
  releaseDate: 2011-05-14T00:00:00.000Z
}
{
  name: 'SmartTablet',
  releaseDate: 2015-01-14T00:00:00.000Z
}
> db.products.find(
  {
    color: {
      $in: [/^g/, /^w/]
    }
  },
  {
    name: 1,
    color: 1,
    _id: 0
  }
);
< {
  name: 'xPhone',
  color: [

```

