

MONGODB

MongoDB Compass - akshitha/Shell

Connections Edit View Help

Compass

My Queries

CONNECTIONS (1)

Search connections

- akshitha
 - admin
 - config
 - local
 - vit

MongoShell

```
> db.products.find({
  "spec.ram": {
    $eq: 4
  }
}, {
  name: 1,
  "spec.ram": 1
})
< {
  _id: 1,
  name: 'xPhone',
  spec: {
    ram: 4
  }
}
{
  _id: 5,
  name: 'SmartPhone',
  spec: {
    ram: 4
  }
}
operators >
```

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MongoShell

```
> db.products.find({"color": {"$eq": "black"}})
< {
  _id: 1,
  name: 'xPhone',
  price: 799,
  releaseDate: 2011-05-16T00:00:00.000Z,
  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',
    'purple'
  ],
  storage: [
    128,
    256,
    512
  ]
}
```

Code for specific date(ISODate):

```
}  
> db.products.find(  
  releaseDate: ISODate("2020-05-14")  
)  
{  
  _id: 4,  
  name: 'SmartPod',  
  price: 699,  
  releaseDate: 2020-05-14T00:00:00.000Z,  
  specs: {  
    ram: 8,  
    screen: 9.7,  
    cpu: 1.46  
  },  
  colors: [  
    'white',  
    'orange',  
    'gold',  
    'gray'  
  ],  
  storage: [  
    128,  
    256,  
    512  
  ]  
}  
operators>
```

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Compass

My Queries

CONNECTIONS (1)

```
>_MONGODB  
> db.products.find({price:{$lt:500}})  
<  
> db.products.find({ "spec.screen": { $lt: 7 } })
```

Screensize is less than(7):

```
> db.products.find({ "spec.screen": { $lt: 7 } })  
{  
  _id: 1,  
  name: 'iPhone',  
  price: 799,  
  releaseDate: 2011-09-14T00:00:00.000Z,  
  specs: {  
    ram: 4,  
    screen: 6.5,  
    cpu: 2.46  
  },  
  colors: [  
    'white',  
    'black'  
  ],  
  storage: [  
    64,  
    128,  
    256  
  ]  
}  
operators>
```

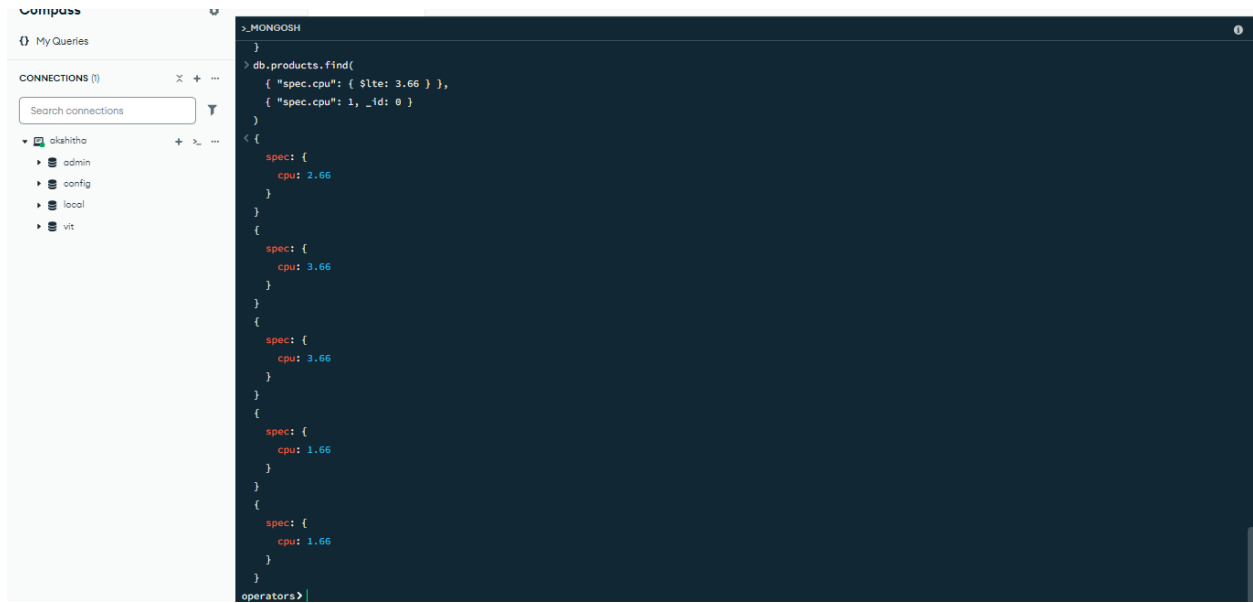
Storage less than 128gb:

```

    }
  > db.products.find(
    { storage: { $elemMatch: { $lt: 128 } } },
    { storage: 1, _id: 0 }
  )
  < {
    storage: [
      64,
      128,
      256
    ]
  }
  {
    storage: [
      16,
      64,
      128
    ]
  }
  operators>

```

Cpu 3.66<=:



The screenshot shows the MongoDB Compass interface. On the left, the 'CONNECTIONS' panel lists several connections, including 'akahitha', 'admin', 'config', 'local', and 'vit'. The main panel displays a query in the 'My Queries' tab. The query is a find operation on the 'products' collection, filtering for documents where the 'spec.cpu' field is less than or equal to 3.66. The results are shown in a JSON format, displaying the 'spec' field for each document.

```

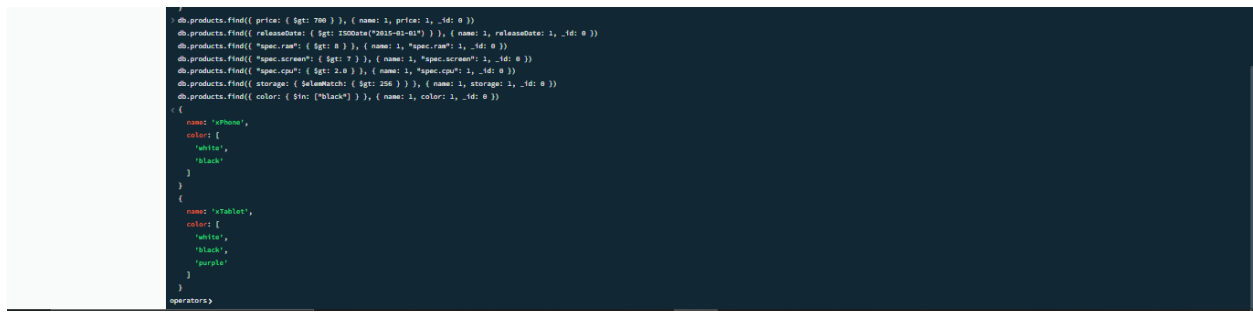
s_MONGODB
  >
  > db.products.find(
    { "spec.cpu": { $lte: 3.66 } },
    { "spec.cpu": 1, _id: 0 }
  )
  < {
    spec: {
      cpu: 2.66
    }
  }
  {
    spec: {
      cpu: 3.66
    }
  }
  {
    spec: {
      cpu: 3.66
    }
  }
  {
    spec: {
      cpu: 1.66
    }
  }
  {
    spec: {
      cpu: 1.66
    }
  }
  operators>

```

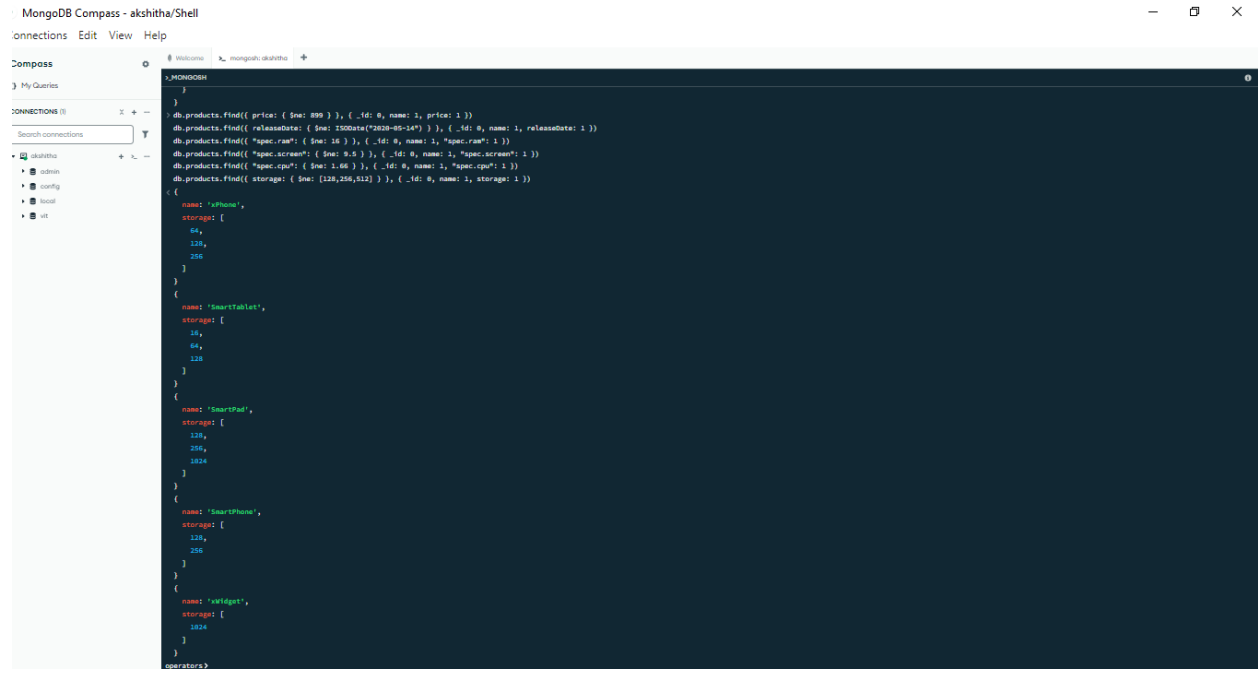
Date:



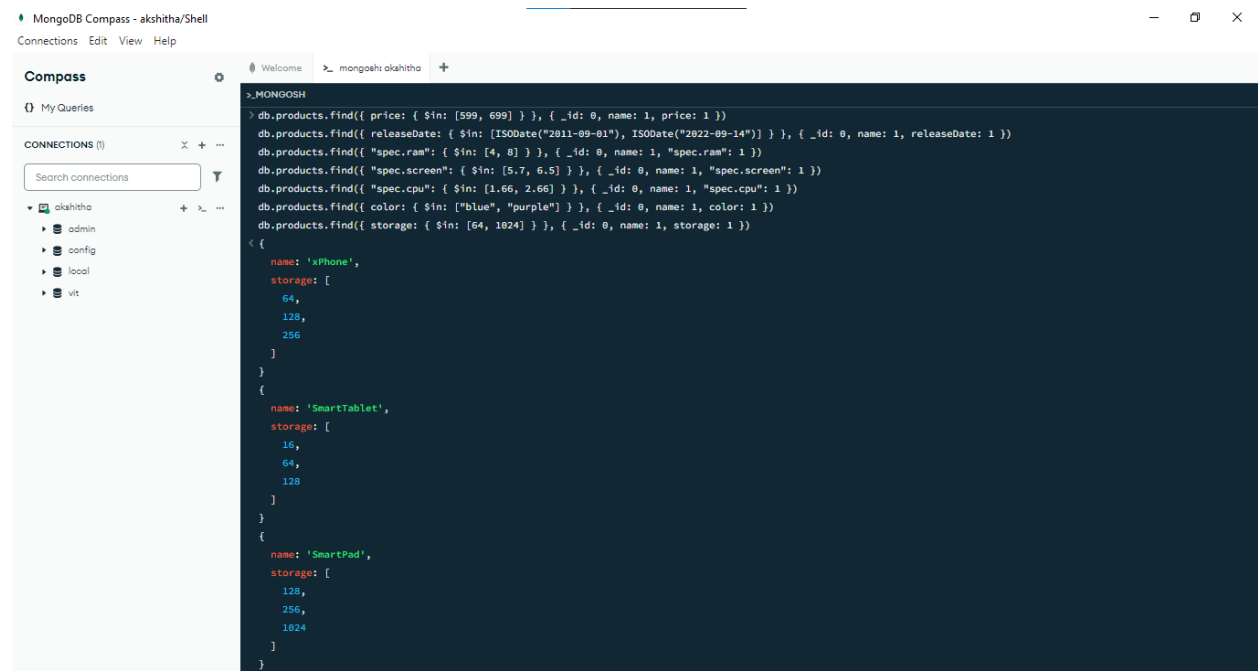
Gt operator:



Not equal operator:



In operator:



Not in operator:

```
}
db.products.find({ price: { $nin: [899] } }, { _id: 0, name: 1, price: 1 })
db.products.find({ releaseDate: { $nin: [ISODate("2015-01-14")] } }, { _id: 0, name: 1, releaseDate: 1 })
db.products.find({ "spec.ram": { $nin: [12, 16] } }, { _id: 0, name: 1, "spec.ram": 1 })
db.products.find({ "spec.screen": { $nin: [9.5, 9.7] } }, { _id: 0, name: 1, "spec.screen": 1 })
db.products.find({ "spec.cpu": { $nin: [3.66] } }, { _id: 0, name: 1, "spec.cpu": 1 })
db.products.find({ color: { $nin: ["gray", "gold"] } }, { _id: 0, name: 1, color: 1 })
db.products.find({ storage: { $nin: [256] } }, { _id: 0, name: 1, storage: 1 })
< {
  name: 'SmartTablet',
  storage: [
    16,
    64,
    128
  ]
}
operators>
```

Regular expression:

According to users wish we can create any patter ex:password while type all requirements can be given(coustomized) pattern.

```
> db.products.find(
  color: {
    $nin: [/^g/, /new/]
  }
), {
  name: 1,
  color: 1
})
< {
  _id: 3,
  name: 'SmartTablet',
  color: {
    'blue'
  }
}
operators>
```

```
> db.products.find(
  color: {
    $nin: {
      $nin: [
        /m/,
        /d/,
        /s./
      ]
    }
  }
), {
  name: 1,
  color: 1
})
<
operators>
```