

MongoDB Compass - aki/Shell

```
>_ mongosh: aki +  
  >_ MONGOSH  
<  
> db.Products.find({ price: { $lt: 200 }, in_stock: 'TRUE' })  
< {  
  _id: ObjectId('68e1cb14a199f9a2f2190edf'),  
  product_id: 112,  
  product_name: 'Desk',  
  category: 'Home Decor',  
  price: 70.33,  
  in_stock: 'TRUE',  
  ratings: 3  
}  
{  
  _id: ObjectId('68e1cb14a199f9a2f2190ee1'),  
  product_id: 114,  
  product_name: 'Printer',  
  category: 'Computers',  
  price: 82.23,  
  in_stock: 'TRUE',  
  ratings: 3  
}  
> db.Products.find({ category: { $in: ['Electronics', 'Furniture'] } })  
< {  
  _id: ObjectId('68e1cb14a199f9a2f2190edc'),  
  product_id: 109,  
  product_name: 'Camera',  
  category: 'Furniture',  
  price: 997.72,  
  in_stock: 'FALSE',  
  ratings: 4  
}
```

Compass

POI PAR UNIVER

My Queries

CONNECTIONS (1)

Search connections

aki

CMPS364

Products

Myimdb

admin

config

local

students

students

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- CMPS364
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- admin
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- local
- students
 - students

_mongosh: aki

```
>_MONGOSH
{
  "products": [
    {
      "_id": ObjectId('68e1cb14a199f9a2f2190edf'),
      "product_id": 112,
      "product_name": 'Desk',
      "category": 'Home Decor',
      "price": 70.33,
      "in_stock": 'TRUE',
      "ratings": 3
    },
    {
      "_id": ObjectId('68e1cb14a199f9a2f2190ee1'),
      "product_id": 114,
      "product_name": 'Printer',
      "category": 'Computers',
      "price": 82.23,
      "in_stock": 'TRUE',
      "ratings": 3
    },
    {
      "_id": ObjectId('68e1cb14a199f9a2f2190eec'),
      "product_id": 122,
      "product_name": 'Blender',
      "category": 'Home Decor',
      "price": 473.02,
      "in_stock": 'FALSE',
      "ratings": 3
    }
  ]
}
```

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>_ mongosh: aki +

>_MONGOSH

```
> db.Products.find({ price: { $gt: 500 } })  
< {  
    _id: ObjectId('68e1cb14a199f9a2f2190edb'),  
    product_id: 108,  
    product_name: 'Camera',  
    category: 'Home Decor',  
    price: 1546.52,  
    in_stock: 'FALSE',  
    ratings: 4  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190edc'),  
    product_id: 109,  
    product_name: 'Camera',  
    category: 'Furniture',  
    price: 997.72,  
    in_stock: 'FALSE',  
    ratings: 4  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190edd'),  
    product_id: 110,  
    product_name: 'Chair',  
    category: 'Furniture',  
    price: 1055.01,  
    in_stock: 'TRUE',  
    ratings: 3  
}  
{
```

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>_ mongosh: aki +

>_MONGOSH

✖ > **ReferenceError:** TRUE is not defined

```
> db.Products.find({ category: { $in: ['Electronics', 'Computers'] }, in_stock: true })  
<  
> db.Products.find({  
    category: { $in: ['Electronics', 'Computers'] },  
    in_stock: 'TRUE'  
})  
< {  
    _id: ObjectId('68e1cb14a199f9a2f2190ee0'),  
    product_id: 113,  
    product_name: 'Laptop',  
    category: 'Electronics',  
    price: 233.63,  
    in_stock: 'TRUE',  
    ratings: 2  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190ee1'),  
    product_id: 114,  
    product_name: 'Printer',  
    category: 'Computers',  
    price: 82.23,  
    in_stock: 'TRUE',  
    ratings: 3  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190ee2'),  
    product_id: 115,  
    product_name: 'Tablet',  
    category: 'Computers',  
    price: 129.99,  
    in_stock: 'TRUE',  
    ratings: 4  
}
```

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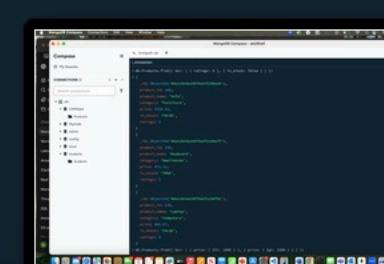
aki

- CMPS364
 - Products
- Myimdb
- admin
- config
- local
- students
 - students

_id: ObjectId('68e1cb14a199f9a2f2190edb'),
product_id: 108,
product_name: 'Camera',
category: 'Home Decor',
price: 1546.52,
in_stock: 'FALSE',
ratings: 4

_id: ObjectId('68e1cb14a199f9a2f2190edc'),
product_id: 109,
product_name: 'Camera',
category: 'Furniture',
price: 997.72,
in_stock: 'FALSE',
ratings: 4

_id: ObjectId('68e1cb14a199f9a2f2190ede'),
product_id: 111,
product_name: 'Watch',
category: 'Home Decor',
price: 866.53,
in_stock: 'FALSE',
ratings: 4



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_MONGOSH

```
> db.Products.find({ $or: [ { ratings: 5 }, { in_stock: false } ] })  
< [  
  {  
    _id: ObjectId('68e1cb14a199f9a2f2190ee6'),  
    product_id: 106,  
    product_name: 'Sofa',  
    category: 'Furniture',  
    price: 1526.35,  
    in_stock: 'FALSE',  
    ratings: 5  
  },  
  {  
    _id: ObjectId('68e1cb14a199f9a2f2190eff'),  
    product_id: 138,  
    product_name: 'Keyboard',  
    category: 'Appliances',  
    price: 471.31,  
    in_stock: 'TRUE',  
    ratings: 5  
  },  
  {  
    _id: ObjectId('68e1cb14a199f9a2f2190f01'),  
    product_id: 139,  
    product_name: 'Laptop',  
    category: 'Computers',  
    price: 865.67,  
    in_stock: 'FALSE',  
    ratings: 5  
  }  
> db.Products.find({ $or: [ { price: { $lt: 1000 } }, { price: { $gt: 1500 } } ] })
```

MongoDB Compass - aki/Shell

>_ mongosh: aki +

>_MONGOSH

```
> db.Products.find({ price: { $gte: 100, $lte: 300 } })  
< {  
    _id: ObjectId('68e1cb14a199f9a2f2190ee0'),  
    product_id: 113,  
    product_name: 'Laptop',  
    category: 'Electronics',  
    price: 233.63,  
    in_stock: 'TRUE',  
    ratings: 2  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190eed'),  
    product_id: 123,  
    product_name: 'Microwave',  
    category: 'Computers',  
    price: 172.42,  
    in_stock: 'FALSE',  
    ratings: 4  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190ef2'),  
    product_id: 104,  
    product_name: 'Camera',  
    category: 'Home Decor',  
    price: 256.8,  
    in_stock: 'FALSE',  
    ratings: 4  
}  
{
```

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_MONGOSH

Type "it" for more

```
> db.Products.find({ ratings: { $nin: [1, 2, 3] } })  
< {  
    _id: ObjectId('68e1cb14a199f9a2f2190edb'),  
    product_id: 108,  
    product_name: 'Camera',  
    category: 'Home Decor',  
    price: 1546.52,  
    in_stock: 'FALSE',  
    ratings: 4  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190edc'),  
    product_id: 109,  
    product_name: 'Camera',  
    category: 'Furniture',  
    price: 997.72,  
    in_stock: 'FALSE',  
    ratings: 4  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190ede'),  
    product_id: 111,  
    product_name: 'Watch',  
    category: 'Home Decor',  
    price: 866.53,  
    in_stock: 'FALSE',  
    ratings: 4  
}
```

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```
> db.Products.find({ category: { $in: ['Electronics', 'Furniture'] } })  
< [ {  
    _id: ObjectId('68e1cb14a199f9a2f2190edc'),  
    product_id: 109,  
    product_name: 'Camera',  
    category: 'Furniture',  
    price: 997.72,  
    in_stock: 'FALSE',  
    ratings: 4  
}, {  
    _id: ObjectId('68e1cb14a199f9a2f2190edd'),  
    product_id: 110,  
    product_name: 'Chair',  
    category: 'Furniture',  
    price: 1055.01,  
    in_stock: 'TRUE',  
    ratings: 3  
}, {  
    _id: ObjectId('68e1cb14a199f9a2f2190ee0'),  
    product_id: 113,  
    product_name: 'Laptop',  
    category: 'Electronics',  
    price: 233.63,  
    in_stock: 'TRUE',  
    ratings: 2  
}]
```

The screenshot shows the MongoDB Compass interface on a Mac OS X desktop. The left sidebar contains navigation links for POI PAR UNIVERSITY, Account, Dashboard, Courses, Calendar, Inbox, History, and Help. The main area has tabs for 'Compass' and 'Connections'. Under 'Connections', there is one entry for 'aki' which is expanded to show databases: CMPS364, Myimdb, admin, config, local, and students. The 'students' database is also expanded to show its own 'students' folder. On the right, the 'mongosh: aki' tab is active in the shell pane, displaying a MongoDB query and its results. The results show three documents from the 'Products' collection, filtered by category ('Electronics' or 'Furniture'). The results pane shows the document structure with fields like _id, product_id, product_name, category, price, in_stock, and ratings. The status bar at the bottom shows various system icons and the date/time.

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_MONGOSH

```
> db.Products.find({ category: 'Furniture', in_stock: false, ratings: { $in: [4, 5] } })  
<  
> db.Products.find({  
    category: 'Furniture',  
    in_stock: 'FALSE',  
    ratings: { $in: [4, 5] }  
}).pretty()  
< {  
    _id: ObjectId('68e1cb14a199f9a2f2190edc'),  
    product_id: 109,  
    product_name: 'Camera',  
    category: 'Furniture',  
    price: 997.72,  
    in_stock: 'FALSE',  
    ratings: 4  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190ee3'),  
    product_id: 116,  
    product_name: 'Laptop',  
    category: 'Furniture',  
    price: 642.42,  
    in_stock: 'FALSE',  
    ratings: 4  
}  
{  
    _id: ObjectId('68e1cb14a199f9a2f2190ee6'),  
    product_id: 106,  
    product_name: 'Sofa',  
    category: 'Furniture',  
    price: 1299.99,  
    in_stock: 'TRUE',  
    ratings: 4  
}
```

