Først så downloader mongpdb shell:

https://www.mongodb.com/try/download/shell

Der efter skulle jeg cd ind i mappen hvor shellen lå

```
C:\Users\mikke>cd C:\Users\mikke\Downloads\mongosh-2.4.2-win32-x64\mongosh-2.4.2-win32-x64

C:\Users\mikke\Downloads\mongosh-2.4.2-win32-x64\mongosh-2.4.2-win32-x64>cd bin
```

Så connecter jeg

```
C:\Users\mikke\Downloads\mongosh-2.4.2-win32-x64\mongosh-2.4.2-win32-x64\bin>mongosh.exe "mongodb://77.33.92.211:27017/0
4b" --apiVersion 1 --username user1
Enter password: *********
Current Mongosh Log ID: 67cb3dbd44fc6b388eb71235
Connecting to:          mongodb://<credentials>@77.33.92.211:27017/04b?directConnection=true&appName=mongosh+2.4.2
Using MongoDB:          8.0.5 (API Version 1)
Using Mongosh:          2.4.2

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/


To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.co
m/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

04b> help
```

Først finder jeg alle collections:

```
04b> show tables
end_user
one_product         [view]
order
product
product_less        [view]
product_name        [view]
system.views
```

Så prøver jeg at reade en colletion

```
04b> db.end_user.find()
[
  {
    _id: ObjectId('67cb0da4b0a54d5e2418c8f9'),
    user_id: 'USER123',
    name: 'John Doe',
    email: 'johndoe@example.com',
    address: {
      street: '123 Main St',
      city: 'Springfield',
      state: 'IL',
      zip: '62701',
      country: 'USA'
    },
    phone: '+1 555-123-4567'
  },
  {
    _id: ObjectId('67cb0da4b0a54d5e2418c8fa'),
    user_id: 'USER456',
    name: 'Jane Smith',
    email: 'janesmith@example.com',
    address: {
      street: '456 Elm St',
      city: 'Chicago',
      state: 'IL',
      zip: '60601',
      country: 'USA'
    },
    phone: '+1 555-234-5678'
```

Så finder jeg en collection jeg ikke har tilladesle til at se

```
04b> db.one_product.find()
MongoServerError[Unauthorized]: not authorized on 04b to execute command { find: "one_product", filter: {}, apiVersion: "1", lsid: { id: UUID("4ed85682-0ec9
-4929-b63a-9d036c0acbfd") }, $db: "04b" }
04b>
```

så prøver jeg at indserte intil en collection:

```
04b> db.product.insertOne({
... "name":"my new prodict",
... "description":"amazing item",
... "price":"20.00",
... "category":"Furniture",
... "stock":"500",
... "available":"true",
... "ean":"01234533389012"})
{
  acknowledged: true,
  insertedId: ObjectId('67cb51ea44fc6b388eb71238')
}
```

Så tjekker jeg at mit item er der

```
04b> db.product.find()
[
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c913'),
    name: 'Wireless Mouse',
    description: 'A comfortable wireless mouse with ergonomic design and long-lasting battery.',
    price: 25.99,
    category: 'Electronics',
    stock: 150,
    available: true,
    ean: '1234567890123'
  },
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c914'),
    name: 'Bluetooth Headphones',
    description: 'Noise-cancelling Bluetooth headphones with high-quality sound.',
    price: 89.99,
    category: 'Electronics',
    stock: 75,
    available: true,
    ean: '2345678901234'
  },
```

```
{
  _id: ObjectId('67cb51ea44fc6b388eb71238'),
  name: 'my new prodict',
  description: 'amazing item',
  price: '20.00',
  category: 'Furniture',
  stock: '500',
  available: 'true',
  ean: '01234533389012'
}
```

Så prøver jeg at delete itemet

```
04b> db.product.deleteOne({"name":"my new prodict"})
{ acknowledged: true, deletedCount: 1 }
```

Så ser jeg om den er sletter

```
04b> db.product.find()
[
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c913'),
    name: 'Wireless Mouse',
    description: 'A comfortable wireless mouse with ergonomic design and long-lasting battery.',
    price: 25.99,
    category: 'Electronics',
    stock: 150,
    available: true,
    ean: '1234567890123'
  },
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c914'),
    name: 'Bluetooth Headphones',
    description: 'Noise-cancelling Bluetooth headphones with high-quality sound.',
    price: 89.99,
    category: 'Electronics',
    stock: 75,
    available: true,
    ean: '2345678901234'
  },
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c91b'),
    name: 'Gaming Chair',
    description: 'Ergonomic gaming chair with adjustable height and lumbar support for comfort.',
    price: 149.99,
    category: 'Furniture',
    stock: 35,
    available: true,
    ean: '9012345678901'
  },
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c91c'),
    name: 'Water Bottle',
    description: 'A stainless steel water bottle with insulation to keep drinks hot or cold for hours.',
    price: 19.99,
    category: 'Accessories',
    stock: 300,
    available: true,
    ean: '0123456789012'
  }
]
```

Jeg conector som user 1 og ser collectionen products

```
C:\Users\mikke\Downloads\mongosh-2.4.2-win32-x64\mongosh-2.4.2-win32-x64\bin>mongosh.exe "mongodb://77.33.92.211:27017/04b" --apiVersion 1 --username user1
Enter password: *********
Current Mongosh Log ID: 67cb554dd2fd913f79b71235
Connecting to:          mongodb://<credentials>@77.33.92.211:27017/04b?directConnection=true&appName=mongosh+2.4.2
Using MongoDB:          8.0.5 (API Version 1)
Using Mongosh:          2.4.2

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

04b> db.product_less.find()
MongoServerError[Unauthorized]: not authorized on 04b to execute command { find: "product_less", filter: {}, apiVersion: "1", lsid: { id: UUID("22cdbce3-9ee
7-4ecb-965d-e901726a2251") }, $db: "04b" }
04b> db.product.find()
[
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c913'),
    name: 'Wireless Mouse',
    description: 'A comfortable wireless mouse with ergonomic design and long-lasting battery.',
    price: 25.99,
    category: 'Electronics',
    stock: 150,
    available: true,
    ean: '1234567890123'
  },
```

Så connector jeg som user4 som ikke kan reade prodict men kan reade prodocs_less
some er et granuel View af products:

```
C:\Users\mikke\Downloads\mongosh-2.4.2-win32-x64\mongosh-2.4.2-win32-x64\bin>mongosh.exe "mongodb://77.33.92.211:27017/04b" --apiVersion 1 --username user4
Enter password: *********
Current Mongosh Log ID: 67cb564655bed98ea1b71235
Connecting to:          mongodb://<credentials>@77.33.92.211:27017/04b?directConnection=true&appName=mongosh+2.4.2
Using MongoDB:          8.0.5 (API Version 1)
Using Mongosh:          2.4.2

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

04b> db.product_less.find()
[
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c913'),
    name: 'Wireless Mouse',
    description: 'A comfortable wireless mouse with ergonomic design and long-lasting battery.',
    price: 25.99,
    category: 'Electronics'
  },
  {
    _id: ObjectId('67cb0de1b0a54d5e2418c914'),
    name: 'Bluetooth Headphones',
    description: 'Noise-cancelling Bluetooth headphones with high-quality sound.',
    price: 89.99,
    category: 'Electronics'
  },
```

Yderliger har user 4 ikke love til at inserte intil tabel products

```
04b> db.product.insertOne({
... "name":"my new prodict",
... "description":"amazing item",
... "price":"20.00",
... "category":"Furniture",
... "stock":"500",
... "available":"true",
... "ean":"01234533389012"})
MongoServerError[Unauthorized]: not authorized on 04b to execute command { insert: "product", documents: [ { name: "my new prodict", description: "amazing i
tem", price: "20.00", category: "Furniture", stock: "500", available: "true", ean: "01234533389012", _id: ObjectId('67cb567055bed98ea1b71236') } ], ordered:
 true, apiVersion: "1", lsid: { id: UUID("264e3c9d-cc90-4bcc-a056-c925f2c8131d") }, $db: "04b" }
```

Til sidt logger jeg ind som user6 som kun må se et product og må kun se navnet

```
C:\Users\mikke\Downloads\mongosh-2.4.2-win32-x64\mongosh-2.4.2-win32-x64\bin>mongosh.exe "mongodb://77.33.92.211:27017/04b" --apiVersion 1 --username user6
Enter password: *********
Current Mongosh Log ID: 67cb5abe1dc0e86b9ab71235
Connecting to:          mongodb://<credentials>@77.33.92.211:27017/04b?directConnection=true&appName=mongosh+2.4.2
Using MongoDB:          8.0.5 (API Version 1)
Using Mongosh:          2.4.2

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

04b> db.one_product.find()
[ { name: 'Wireless Mouse' } ]
```