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Projection Operator

1. Tampilkan semua data di collection products kecuali category dan tags

```
> db.products.find({}, { category:0, tags:0 })
< {
   _id: 3,
   Name: 'Pop Mie Rasa Bakso',
   Price: 2500,
   Category: 'food'
 }
   _id: 4,
   Name: 'Samsung Galaxy S9+',
   Price: 10000000,
   Category: 'handphone'
 }
 {
   _id: 5,
   Price: 25000000,
   Category: 'laptop'
   _id: ObjectId("657aae4d2fdd7d9e3ff012dc"),
   name: 'QuantumX Tech Watch',
   price: 1990000
 }
   _id: ObjectId("657aae4d2fdd7d9e3ff012dd"),
```

2. Tampilkan name dan price pada collection products

```
> db.products.find({}, { name: 1, price: 1, _id: 0 })
< {}
 {}
 {}
 {
   name: 'QuantumX Tech Watch',
   price: 1990000
   name: 'Stellar SoundWave Headphones',
   price: 2999000
 }
   name: 'ZenMaster Meditation Pillow',
   price: 499900
   name: 'LunaGlow Skin Elixir',
   price: 999000
 }
   name: 'SwiftPeak Hiking Backpack',
   name: 'QuantumX Tech Watch',
```

3. Tampilkan name dari collection products dimana tagsnya hanya menampilkan 3 tags di awal

```
< {}
 {}
 {}
   name: 'QuantumX Tech Watch',
   tags: [
     'Gadgets',
     'Tech',
     'Smart'
   name: 'Stellar SoundWave Headphones',
     'Fashion',
     'Casual',
     'Trendy'
   name: 'ZenMaster Meditation Pillow',
   tags: [
     'Appliances',
     'Household',
     'Cooking'
```

4. Tampilkan name, price dari collection products dimana tagsnya hanya menampilkan 1 tags di akhir

5. Tampilkan name dari collection products dimana tagsnya ada tags "computer" atau "fan "

```
> db.products.find({ tags: { $in: ["computer", "fan"] } }, { name: 1, _id: 0 })

< {
    name: 'QuantumX Tech Watch'
}
{
    name: 'Stellar SoundWave Headphones'
}</pre>
```

Query Modifier

1. Import Collection Actor and Payment

```
actor

Storage size: 24.58 kB

Documents: 200

Avg. document size: 116.00 B

Indexes: 1

Total index size: 20.48 kB

Dayment

Storage size: 24.58 kB

Documents: 200

Avg. document size: 116.00 B

Indexes: 1

Total index size: 20.48 kB
```

2. Tampilkan Jumlah Actor

```
> db.actor.count()
< DeprecationWarning:
< 200
```

3. Tampilkan 5 document dari collection payment

4. Sembunyikan 56 document pertama dari collection payment

db.payment.find().skip(56)

```
> db.payment.find().skip(56)
< {
   _id: ObjectId("6583df24be2056eaf08da07d"),
   actor_id: 57,
   first_name: 'JUDE',
   last_name: 'CRUISE',
   last_update: '15/2/2006 04:34:33'
 }
 {
   _id: ObjectId("6583df24be2056eaf08da07e"),
   actor_id: 58,
   first_name: 'CHRISTIAN',
   last_name: 'AKROYD',
   last_update: '15/2/2006 04:34:33'
 }
 {
   _id: ObjectId("6583df24be2056eaf08da07f"),
   actor_id: 59,
   first_name: 'DUSTIN',
   last_name: 'TAUTOU',
   last_update: '15/2/2006 04:34:33'
 }
 {
   _id: ObjectId("6583df24be2056eaf08da080"),
   actor_id: 60,
   first_name: 'HENRY',
   last_name: 'BERRY',
   last_update: '15/2/2006 04:34:33'
```

5. Tampilkan 4 document dan sembunyikan 49 document dari collection payment

db.payment.find().skip(49).limit(4)

```
db.payment.find().skip(49).limit(4)
   _id: ObjectId("6583df24be2056eaf08da076"),
   first_name: 'NATALIE',
   last_name: 'HOPKINS',
   last_update: '15/2/2006 04:34:33'
   _id: ObjectId("6583df24be2056eaf08da077"),
   first_name: 'GARY',
   last_name: 'PHOENIX',
   last_update: '15/2/2006 04:34:33'
   _id: ObjectId("6583df24be2056eaf08da078"),
   first_name: 'CARMEN',
   last_update: '15/2/2006 04:34:33'
   _id: ObjectId("6583df24be2056eaf08da079"),
   first_name: 'MENA',
   last_name: 'TEMPLE',
   last_update: '15/2/2006 04:34:33'
ecommerce>
```

6. Urutkan first_name dan actor_id secara ascending pada collection actor (tampilkan hanya 10 data)

7. Urutkan payment_date secara descending pada collection Payment

```
> db.payment.find().sort({ payment date: -1 })
< {
   _id: ObjectId("6583df24be2056eaf08da045"),
   actor_id: 1,
   first_name: 'PENELOPE',
   last_name: 'GUINESS',
   last_update: '15/2/2006 04:34:33'
 }
 {
   _id: ObjectId("6583df24be2056eaf08da046"),
   actor_id: 2,
   first_name: 'NICK',
   last_name: 'WAHLBERG',
   last_update: '15/2/2006 04:34:33'
 }
   _id: ObjectId("6583df24be2056eaf08da047"),
   actor_id: 3,
   first_name: 'ED',
   last_name: 'CHASE',
   last_update: '15/2/2006 04:34:33'
 }
   _id: ObjectId("6583df24be2056eaf08da048"),
   actor_id: 4,
   first_name: 'JENNIFER',
   last_name: 'DAVIS',
   last_update: '15/2/2006 04:34:33'
 }
 {
   _id: ObjectId("6583df24be2056eaf08da049"),
   actor_id: 5,
   first_name: 'JOHNNY',
   last_name: 'LOLLOBRIGIDA',
   last_update: '15/2/2006 04:34:33'
```