ACT SBD2

Mata Praktikum	: Sistem Basis Data 2
Kelas	: 3IA02
Praktikum ke-	: 7
Tanggal	: 25/5/2023
Materi	: MongoDB
NPM	: 50420562
Nama	: Ibrahim Bramullah
Ketua Asisten	: Naufal Maulana
Paraf Asisten	:
Nama Asisten	:
Jumlah Lembar	: 8 Lembar

Mongo Shell

Create db ecommerce

```
test> use ecommerce
switched to db ecommerce
ecommerce> show databases
admin          40.00 KiB
config         84.00 KiB
db_mahasiswa   60.00 KiB
local          72.00 KiB
ecommerce>
```

Create Collection

```
ecommerce> db.createCollection("admin")
{ ok: 1 }
ecommerce> db.createCollection("customer")
{ ok: 1 }
ecommerce> db.getCollectionNames()
[ 'admin', 'customer' ]
ecommerce>
```

Show Count

```
ecommerce> db.admin.count()
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
0
ecommerce>
```

Create Count without and with generated id

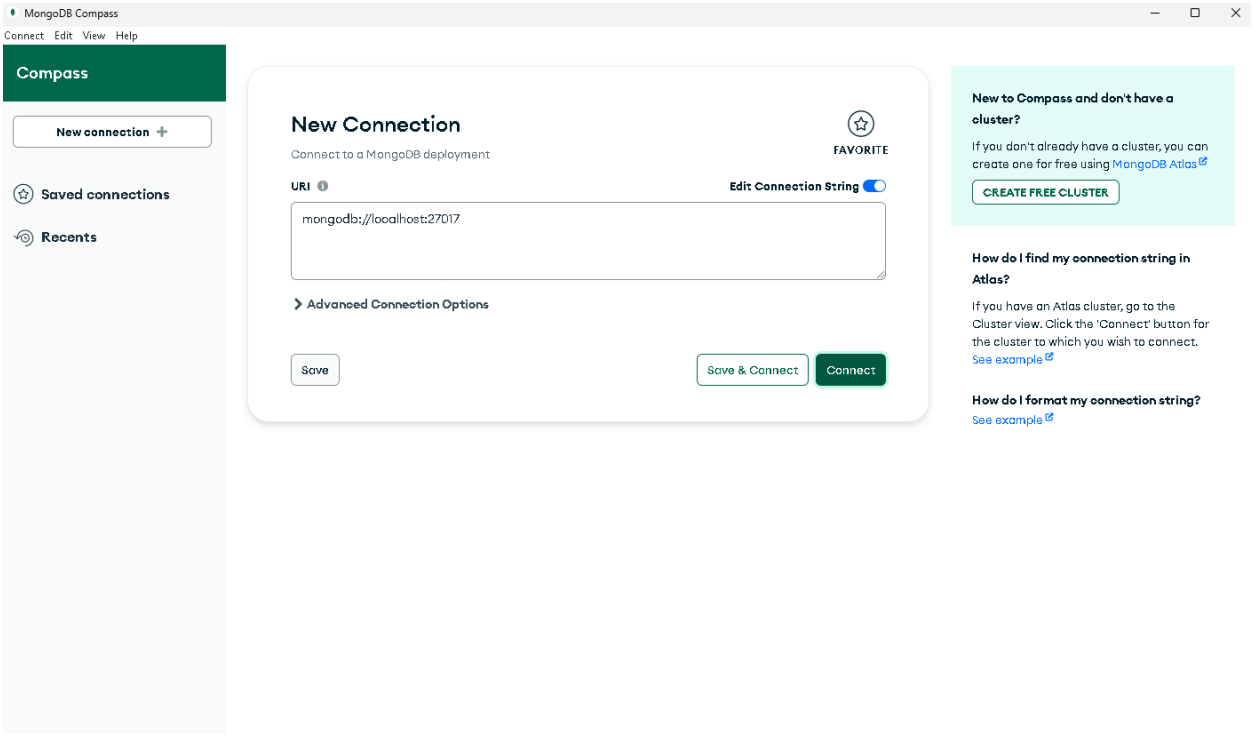
```
ecommerce> db.admin.insertOne({_id: "1", username: "Ibramullah", password:"50420562", name: "Ibrahim Bramullah"})
{ acknowledged: true, insertedId: '1' }
ecommerce> db.admin.insertOne({_id: new ObjectId(), pelanggan: [{username: "Ibramullah", jkelamin:"Laki laki"},{username: "Hallumarbi", jkelamin:"Perempuan"} ]})
{
  acknowledged: true,
  insertedId: ObjectId("646f02cef296e96b5e991808")
}
```

Show admin

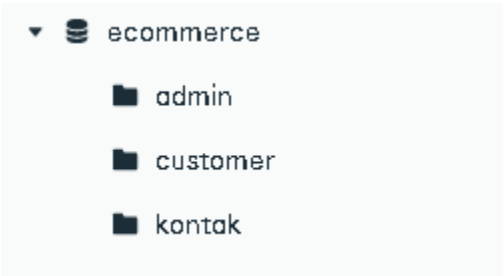
```
ecommerce> db.admin.find()
[
  {
    _id: '1',
    username: 'Ibramullah',
    password: '50420562',
    name: 'Ibrahim Bramullah'
  },
  {
    _id: ObjectId("646f02cef296e96b5e991808"),
    pelanggan: [
      { username: 'Ibramullah', jkelamin: 'Laki laki' },
      { username: 'Hallumarbi', jkelamin: 'Perempuan' }
    ]
  }
]
ecommerce>
```

Mongo Compass

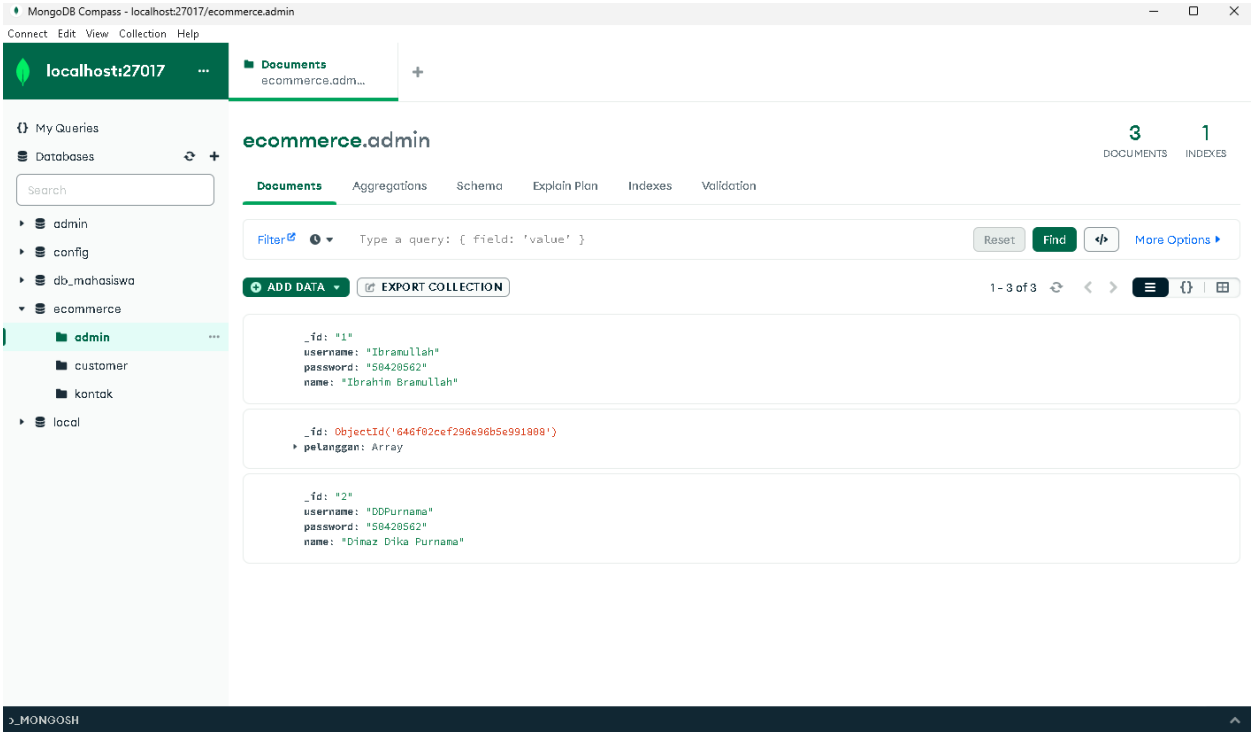
Connect



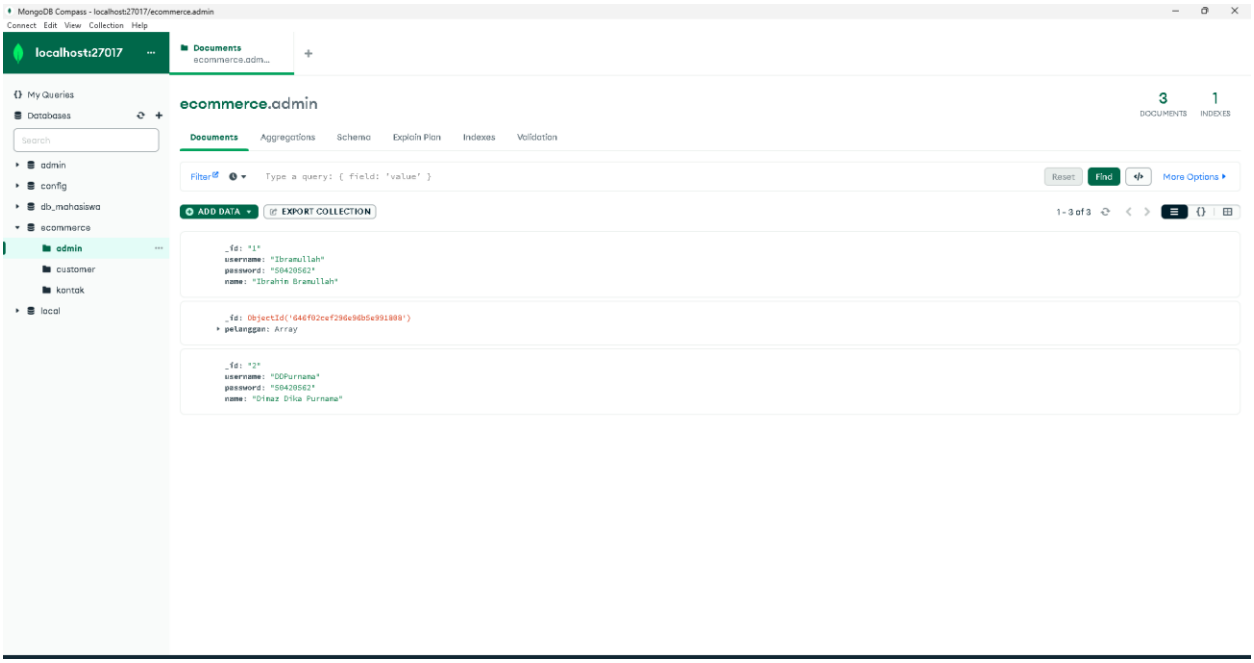
Choose db and Create collection (kontak)



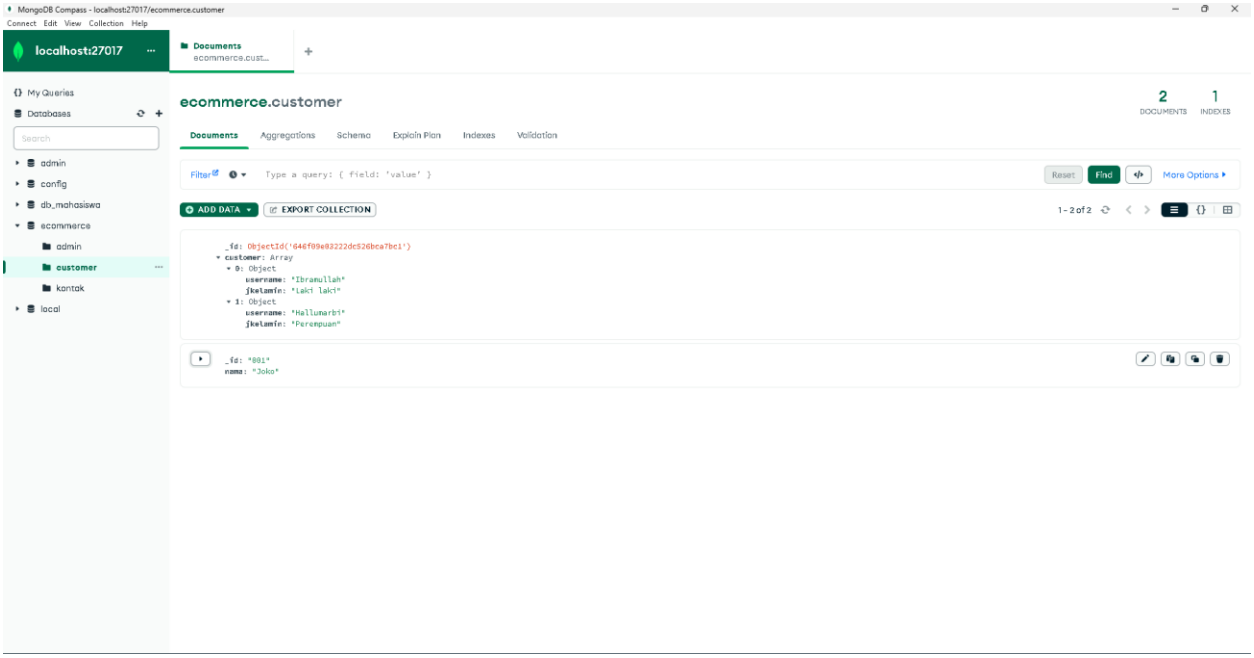
Clone Data (admin)



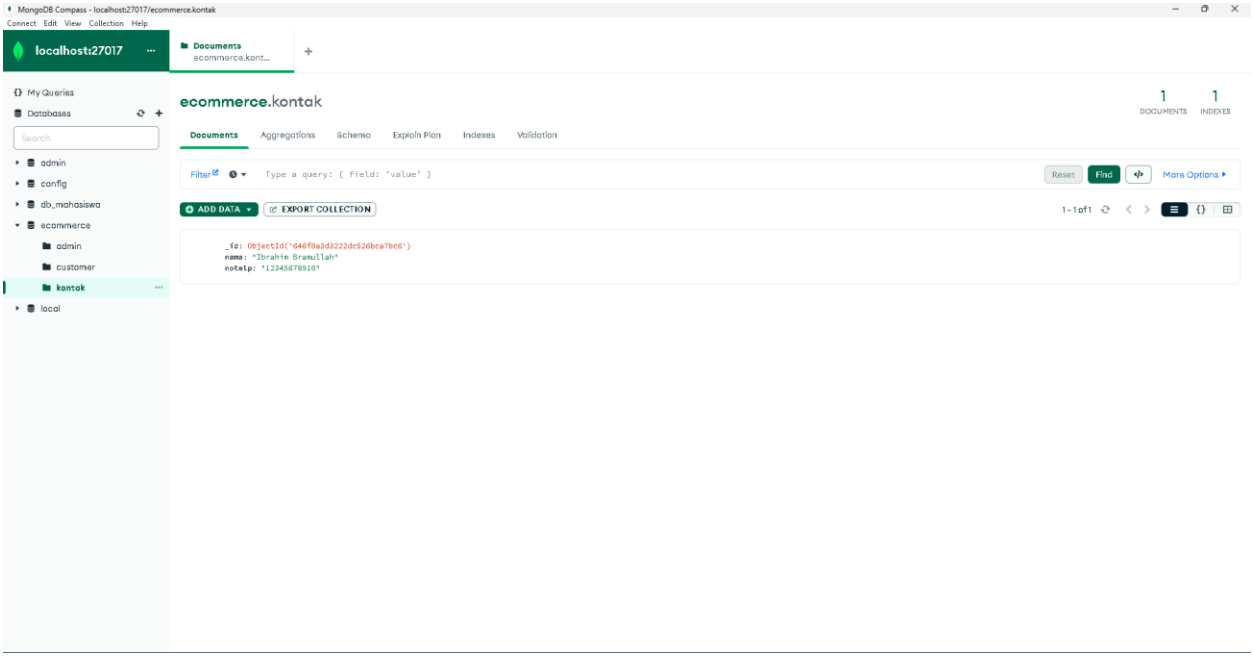
Result (admin)



Create data & result (customer)



Create data & result (kontak)



Query on mongodb shell:

```
db.createCollection("admin")
db.createCollection("customer")

db.admin.insertOne({_id: "1", username: "Ibramullah",
password:"50420562", name: "Ibrahim Bramullah"})
db.admin.insertOne({_id: new ObjectId(), pelanggan:
[{username: "Ibramullah", jkelamin:"Laki
laki"},{username: "Hallumarbi", jkelamin:"Perempuan"}
]})
```

Query on mongodb compass:

- Admin

```
{
  "_id": "2",
  "username": "DDPurnama",
  "password": "50420562",
  "name": "Dimaz Dika Purnama"
}
```

- Customer

```
{
  "_id": {
    "$oid": "646f0b493222dc526bca7bcd"
  },
  "customer": [
    {
      "username": "Ibramullah",
      "jkelamin": "Laki laki"
    },
    {
      "username": "Hallumarbi",
      "jkelamin": "Perempuan"
    }
  ]
}
```

```
{
    "_id": "001",
    "nama": "Joko"
}
```

- Kontak

```
{
  "_id": {
    "$oid": "646f0b493222dc526bca7bcd"
  },
  "nama": "Ibrahim Bramullah",
  "notelp": "12345678910"
}
```