Tugas Basis Data Lanjut

Membuat Relasi One to Many dan Many to Many

Nama : Gigih Prasetya

NIM   : 17050623013

Prodi   : D3 Manajemen Informatika
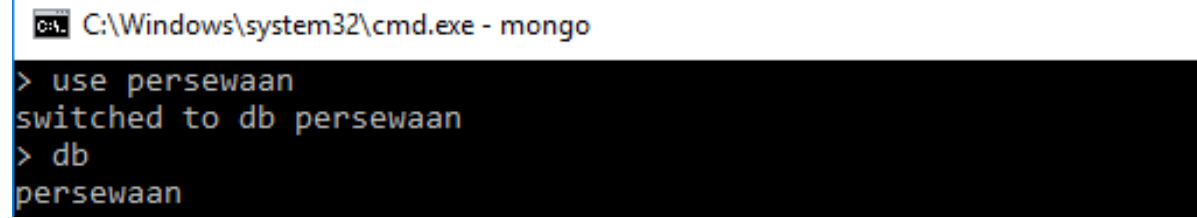
A. One to Many

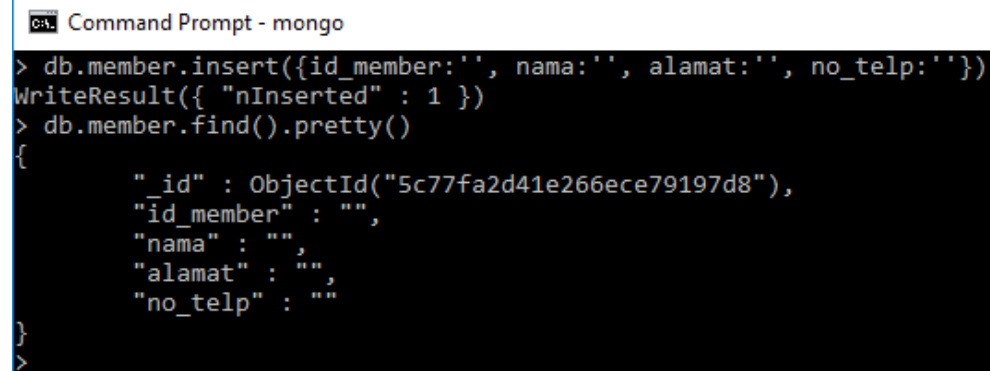**1. membuat database**

> use persewaan

switched to db persewaan

> db

persewaan

2. membuat table member
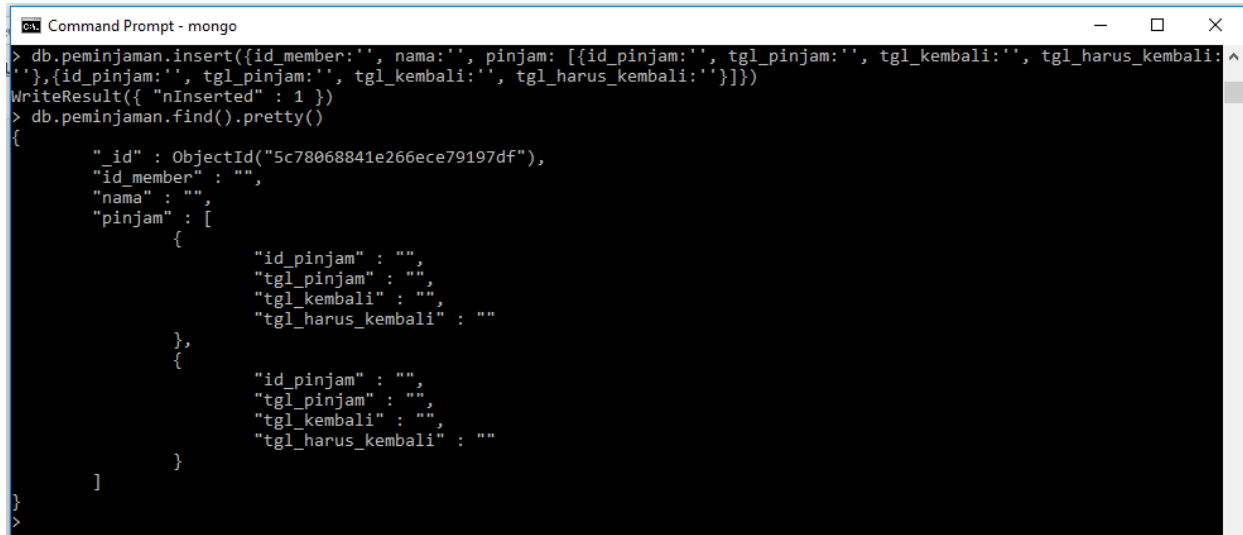
> db.member.insert({id_member:'', nama:'', alamat:'', no_telp:''})

3. membuat tabel peminjaman dan relasi

> db.peminjaman.insert({id_member:'', nama:'', pinjam: [{id_pinjam:'', tgl_pinjam:'', tgl_kembali:'', tgl_harus_kembali:''},{id_pinjam:'', tgl_pinjam:'', tgl_kembali:'', tgl_harus_kembali:''}]})

```
Command Prompt - mongo                                                    —    □    ×
> db.peminjaman.insert({id_member:'', nama:'', pinjam: [{id_pinjam:'', tgl_pinjam:'', tgl_kembali:'', tgl_harus_kembali: ^
''},{id_pinjam:'', tgl_pinjam:'', tgl_kembali:'', tgl_harus_kembali:''}]})
WriteResult({ "nInserted" : 1 })
> db.peminjaman.find().pretty()
{
        "_id" : ObjectId("5c78068841e266ece79197df"),
        "id_member" : "",
        "nama" : "",
        "pinjam" : [
                {
                        "id_pinjam" : "",
                        "tgl_pinjam" : "",
                        "tgl_kembali" : "",
                        "tgl_harus_kembali" : ""
                },
                {
                        "id_pinjam" : "",
                        "tgl_pinjam" : "",
                        "tgl_kembali" : "",
                        "tgl_harus_kembali" : ""
                }
        ]
}
>
```
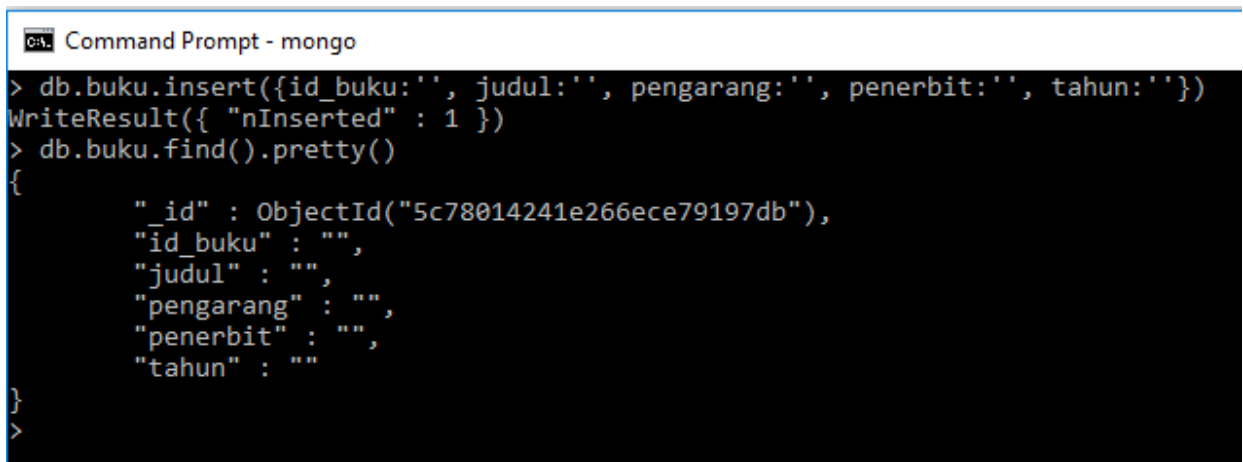
B. Many to Many

1. membuat tabel buku

> db.buku.insert({id_buku:'', judul:'', pengarang:'', penerbit:'', tahun:''})

```
Command Prompt - mongo
> db.buku.insert({id_buku:'', judul:'', pengarang:'', penerbit:'', tahun:''})
WriteResult({ "nInserted" : 1 })
> db.buku.find().pretty()
{
        "_id" : ObjectId("5c78014241e266ece79197db"),
        "id_buku" : "",
        "judul" : "",
        "pengarang" : "",
        "penerbit" : "",
        "tahun" : ""
}
>
```

2. membuat tabel detail dan relasi

> db.detail.insert({id_detail:", buku: [{id_buku:", judul:", pengarang:", penerbit:", tahun:"}], peminjaman: [{id_pinjam:", tgl_pinjam:", tgl_kembali:", tgl_harus_kembali:"}]})

```
Command Prompt - mongo                                                    —    □    ×
> db.detail.insert({id_detail:'', buku: [{id_buku:'', judul:'', pengarang:'', penerbit:'', tahun:''}], peminjaman: [{id_
pinjam:'', tgl_pinjam:'', tgl_kembali:'', tgl_harus_kembali:''}]})
WriteResult({ "nInserted" : 1 })
> db.detail.find().pretty()
{
        "_id" : ObjectId("5c78088a41e266ece79197e0"),
        "id_detail" : "",
        "buku" : [
                {
                        "id_buku" : "",
                        "judul" : "",
                        "pengarang" : "",
                        "penerbit" : "",
                        "tahun" : ""
                }
        ],
        "peminjaman" : [
                {
                        "id_pinjam" : "",
                        "tgl_pinjam" : "",
                        "tgl_kembali" : "",
                        "tgl_harus_kembali" : ""
                }
        ]
}
>
```