TUGAS BASIS DATA LANJUT

MEMBUAT DATA BASE ONE TO MANY TO MANY DI MONGODB

Nama : YOLLAVINIA

NIM : 17050623007

#ONE TO MANY

1. Membuat connections dalam database "DOSEN"

Database sudah muncul dosen

2. Membuat collections"matkul"

3. Hasil relasi

```
        "id_dosen" : "ABC",
        "nama_dosen" : "dandy",
        "alamat" : "tulungagung",
        "tgl_lahir" : "05-09-1990",
        "email" : "dandi@gmail.com"
}
> db.matkul.insert.find().pretty()
2019-02-27T20:58:07.307+0700 E QUERY    [js] TypeError: db.ma
tkul.insert.find is not a function :
@(shell):1:1
> db.matkul.find().pretty()
{
        "_id" : ObjectId("5c7696c1da8dd1a63853bbc5"),
        "matkul" : "matematika",
        "id_dosen" : ObjectId("5c765b47da0c4e92d07b0459"),
        "jumlah_sks" : "2",
        "jenis_matkul" : "wajib"
}
>
```

Many to Many

1. **Membuat database"DOSEN PEMBIMBING"**


```
2019-02-27T23:03:28.028-0700 I CONTROL  [initandlisten] **          Read and write access to data and configuration is u
nrestricted.
2019-02-27T23:03:28.028-0700 I CONTROL  [initandlisten]
2019-02-27T23:03:28.028-0700 I CONTROL  [initandlisten] ** WARNING: This server is bound to localhost.
2019-02-27T23:03:28.029-0700 I CONTROL  [initandlisten] **          Remote systems will be unable to connect to this ser
ver.
2019-02-27T23:03:28.029-0700 I CONTROL  [initandlisten] **          Start the server with --bind_ip <address> to specify
 which IP
2019-02-27T23:03:28.029-0700 I CONTROL  [initandlisten] **          addresses it should serve responses from, or with --
bind_ip_all to
2019-02-27T23:03:28.029-0700 I CONTROL  [initandlisten] **          bind to all interfaces. If this behavior is desired,
 start the
2019-02-27T23:03:28.029-0700 I CONTROL  [initandlisten] **          server with --bind_ip 127.0.0.1 to disable this warn
ing.
2019-02-27T23:03:28.029-0700 I CONTROL  [initandlisten]
---
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
> use dosen_pembimbing
switched to db dosen_pembimbing
>
```

2. **Mengloneksikan database "Gudang",distribusi dan "toko'.**

3. Table yang telah dihubungkan

4. Hasil dari MANY TO MANY

```
> db.detail.insert({nama_mahasiswa:db.mata_kuliah.find()[0]._id, NIM:db.mata_kuliah.find()[0]._id, SKS:db.mata_kuliah.find()[0]._id,})
WriteResult({ "nInserted" : 1 })
> show collections
detail
dosen_pembimbing
mahasiswa
mata_kuliah
> db.dosen_pembimbing.find().pretty()
{
        "_id" : ObjectId("5c77821e0ad86fb6c689560f"),
        "nama_mahasiswa" : "yolla",
        "NIM" : "18098",
        "PRODI" : "MI",
        "SKS" : "29"
}
> db.mahasiswa.find().pretty()
{
        "_id" : ObjectId("5c7784e70ad86fb6c6895610"),
        "nama_mahasiswa" : ObjectId("5c77821e0ad86fb6c689560f"),
        "NIM" : ObjectId("5c77821e0ad86fb6c689560f"),
        "asal" : "jombang",
        "umur" : "19"
}
> db.mata_kuliah.find().pretty()
{
        "_id" : ObjectId("5c7787500ad86fb6c6895611"),
        "nama_mahasiswa" : ObjectId("5c7784e70ad86fb6c6895610"),
        "NIM" : ObjectId("5c7784e70ad86fb6c6895610"),
        "matakuliah" : "PBO",
        "SKS" : "2",
        "id_matkul" : "AA"
}
> db.detail.find().pretty()
{
        "_id" : ObjectId("5c7788be0ad86fb6c6895612"),
        "nama_mahasiswa" : ObjectId("5c7787500ad86fb6c6895611"),
        "NIM" : ObjectId("5c7787500ad86fb6c6895611"),
        "SKS" : ObjectId("5c7787500ad86fb6c6895611")
}
>
```