

TUGAS BASIS DATA LANJUT

MEMBUAT DATA BASE ONE TO MANY TO MANY DI MONGODB

Nama : YOLLAVINIA

NIM : 17050623007

#ONE TO MANY

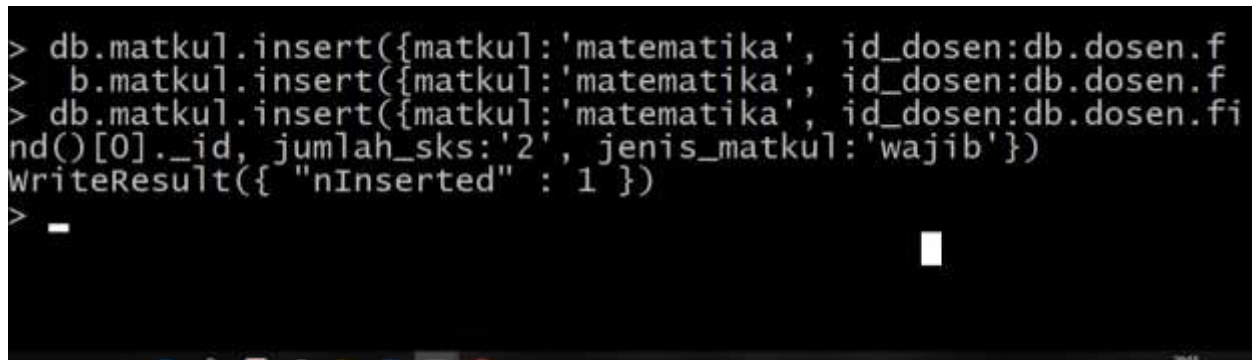
1. Membuat connections dalam database "DOSEN"

A screenshot of a MongoDB Command Prompt window. The prompt shows the following commands and output: > show dbs, admin 0.000GB, config 0.000GB, kuliah 0.000GB, local 0.000GB, > use kuliah, switched to db kuliah, > db, kuliah, > show collections, dosen.

```
> show dbs
admin    0.000GB
config   0.000GB
kuliah   0.000GB
local    0.000GB
> use kuliah
switched to db kuliah
> db
kuliah
> show collections
dosen
```

Database sudah muncul dosen

2. Membuat collections"matkul"

A screenshot of a MongoDB Command Prompt window showing the insertion of data into the 'matkul' collection. The prompt shows the following commands and output: > db.matkul.insert({matkul:'matematika', id_dosen:db.dosen.f, > b.matkul.insert({matkul:'matematika', id_dosen:db.dosen.f, > db.matkul.insert({matkul:'matematika', id_dosen:db.dosen.fi, nd()[0]._id, jumlah_sks:'2', jenis_matkul:'wajib'}) WriteResult({ "nInserted" : 1 }) >

```
> db.matkul.insert({matkul:'matematika', id_dosen:db.dosen.f
> b.matkul.insert({matkul:'matematika', id_dosen:db.dosen.f
> db.matkul.insert({matkul:'matematika', id_dosen:db.dosen.fi
nd()[0]._id, jumlah_sks:'2', jenis_matkul:'wajib'})
WriteResult({ "nInserted" : 1 })
>
```

3. Hasil relasi

```
Command Prompt - mongo
{"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 "Gudang"

```
Command Prompt - mongo
aproments, 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()

show dbs
admin 0.000GB
config 0.000GB
local 0.000GB
use gudang
switched to db gudang
db
distributor
db.distributor.insert({nama_barang:'jas_tangan',id_barang:'ABC',tanggal:'06-07-2018'})
writeResult({ "nInserted" : 1 })
db.distributor.find().pretty()
{ "_id" : ObjectId("5c7696c1da8dd1a63853bbc5"),
  "nama_barang" : "jas_tangan",
  "id_barang" : "ABC",
  "tanggal" : "06-07-2018" }

db.toko.insert({nama_barang:'jas_tangan',id_barang:'ABC',penjualan:'barang', tanggal:'09-07-2018'})
2019-02-27T21:20:50.591+0700 E QUERY [js] ReferenceError: db.toko is not defined
@(<shell>):13:1
db.toko.insert({nama_barang:'jas_tangan',id_barang:'ABC',penjualan:'barang', tanggal:'09-07-2018'})
writeResult({ "nInserted" : 1 })
db.target.insert({nama_barang:'jas_tangan',id_barang:db.distributor.find()[0]._id,tanggal:db.toko.find()[0]._id})
writeResult({ "nInserted" : 1 })
db.target.find().pretty()
```

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

```
writeResult({ "nInserted" : 1 })
db.distributor.find().pretty()
{ "_id" : ObjectId("5c7696c1da8dd1a63853bbc5"),
  "nama_barang" : "jas_tangan",
  "id_barang" : "ABC",
  "tanggal" : "06-07-2018" }

db.toko.insert({nama_barang:'jas_tangan',id_barang:'ABC',penjualan:'barang', tanggal:'09-07-2018'})
2019-02-27T21:20:50.591+0700 E QUERY [js] ReferenceError: db.toko is not defined
@(<shell>):13:1
db.toko.insert({nama_barang:'jas_tangan',id_barang:'ABC',penjualan:'barang', tanggal:'09-07-2018'})
writeResult({ "nInserted" : 1 })
db.target.insert({nama_barang:'jas_tangan',id_barang:db.distributor.find()[0]._id,tanggal:db.toko.find()[0]._id})
writeResult({ "nInserted" : 1 })
db.target.find().pretty()
```

3. Hasil dari MANY TO MANY

```
Command Prompt - mongo
> db.toko.insert({nama_barang: 'jam tangan', id_barang: 'ABC', penjualan: 'barang', tanggal: '09-07-2016'})
2019-02-27T12:20:50.591+0700 I QUERY [js] ReferenceError: db.toko is not defined
@shell):1:1
> db.toko.insert({nama_barang: 'jam tangan', id_barang: 'ABC', penjualan: 'barang', tanggal: '09-07-2016'})
writeResult({ "nInserted" : 1 })
> db.target.insert({nama_barang: 'jam tangan', id_barang: db.distributor.find()[0]._id, tanggal: db.toko.find()[0]._id})
writeResult({ "nInserted" : 1 })
> db.target.find().pretty()
{
  "_id" : ObjectId("5c769b47e23968f6fd1da59"),
  "nama_barang" : "jam tangan",
  "id_barang" : ObjectId("5c769a4a7e23968f6fd1da57"),
  "tanggal" : ObjectId("5c769b47e23968f6fd1da58")
}
> db.distributor.find().pretty()
{
  "_id" : ObjectId("5c769a4a7e23968f6fd1da57"),
  "nama_barang" : "jam tangan",
  "id_barang" : "ABC",
  "tanggal" : "09-07-2016"
}
> db.toko.find().pretty()
{
  "_id" : ObjectId("5c769cdf7e23968f6fd1da56"),
  "nama_barang" : "jam tangan",
  "id_barang" : "ABC",
  "penjualan" : "barang",
  "tanggal" : "09-07-2016"
}
```