

# TUGAS BASIS DATA LANJUT

## MEMBUAT DATA BASE ONE TO MANY DAN MANY TO MANY MENGUNAKAN MONGODB

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Mongo

```
C:\WINDOWS\system32\cmd.exe - mongo
Microsoft Windows [Version 10.0.17134.590]
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C:\Users\Uma Irul>mongo
MongoDB shell version v4.0.6
connecting to: mongodb://127.0.0.1:27017/?gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("be6b491c-094d-4d47-b9d4-95a3d98d0564") }
MongoDB server version: 4.0.6
Server has startup warnings:
2019-02-26T22:33:02.121-0700 I CONTROL [initandlisten]
2019-02-26T22:33:02.122-0700 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2019-02-26T22:33:02.122-0700 I CONTROL [initandlisten] ** Read and write access to data and configuration is unrestricted.
2019-02-26T22:33:02.122-0700 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()
---
```

Untuk mengecek posisi dimana kita berada maka ketik db

```
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
```

Untuk mengecek posisi dimana kita berada maka ketik db

```
netomany
> db
netomany
```

## Membuat Data Base

```
> use perpustakaan
switched to db perpustakaan
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
```

## Membuat collections di dalam data base

```
> use perpustakaan
switched to db perpustakaan
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
> db.mahasiswa.insert([
... {nama:'bambang',alamat:'surabaya',jurusan:'TI'},
... ])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 1,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
> show collections
mahasiswa
> db.perpustakaan.find().pretty()
```

## Membuat collections tentang peminjaman buku

```
}
> show collections
mahasiswa
> db.perpustakaan.find().pretty()
> db.mahasiswa.find().pretty()
{
  "_id" : ObjectId("5c7694e9026074419e585e01"),
  "nama" : "bambang",
  "alamat" : "surabaya",
```

## Hasil relasi “perpustakaan” dan “peminjaman”

```
"_id" : ObjectId("5c7694e9026074419e585e01"),
"nama" : "bambang",
"alamat" : "surabaya",
"jurusan" : "TI"
```

