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Prodi : D3 Manajemen Informatika

TUGAS BASIS DATA LANJUT

1. One to many

```
if (options.writeConcern)
    wc = options.writeConcern;
    if (options.allowdotted)
    allowDottedFields = true;
} else {
    flags = options;
}

// 1 = continueOnError, which is synonymous with unordered in the write commands/bulk-api
    var ordered = ((flags & 1) == 0);

if (!wc)
    wc = this.getWriteConcern();

var result = undefined;
var startTime =
    (typeof(_verboseShell) === 'undefined' || !_verboseShell) ? 0 : new Date().getTime();

if (this.getMongo().writeMode() != "legacy") {
    // Bit 1 of option flag is continueOnError. Bit 0 (stop on error) is the default.
    var bulk = ordered ? this.initializeOrderedBulkOp() : this.initializeUnorderedBulkOp();

var isMultiInsert = Array.isArray(obj);

if (isMultiInsert) {
    obj.forEach(function(doc) {
        bulk.insert(doc);
    });
    else {
        bulk.insert(obj);
}
```

db.mahasiswa.insert({......})

db.mahasiswa.find().pretty()

```
// enforce write concern, if required
if (wc)
    result = this.runCommand("getLastError", wc instanceof WriteConcern ? wc.toJSON() : wc);
}

this._lastID = obj._id;
this._printExtraInfo("Inserted", startTime);
return result;
}

db.mahasiswa.insert({id:'17050623027', nama:'alma', kelas:'D3_ManajemenInformatika', angkatan:'17'})

WriteResult({ "nInserted" : 1 })

db.mahasiswa.find().pretty()

"id" : '0bjectId("Sc76255f1c07828c958878bd"),
    "id" : '17050623027",
    "nama" : "alma",
    "kelas" : "03_ManajemenInformatika",
    "angkatan" : "17"
}

db.mata_kuliah.insert({kode_mk:'079', nama_mk:'JaringanKomputer', jumlah_sks:'2', semester:'4'})

WriteResult({ "nInserted" : 1 })

db.mata_kuliah.find().pretty()

{
    "id" : ObjectId("Sc7626e31c07828c958878be"),
    "kode_mk" : "079',
    "nama_mk" : "JaringanKomputer",
    "jumlah_sks" : "2",
    "semester" : "4"
```

 Many to many db.users.insert({....}) db.users.find().pretty()

```
Command Prompt- mongo
}

db.users.insert({id:'776', username:'sing_song', password:'singtogether', email:'singsong@gmail.com'})

writeResult({ "nInserted" : 1 })
> db.users.find().pretty()

{
        "_id" : ObjectId("5c76b25a1c07828c958878bf"),
        "id" : "776',
        "username" : "sing_song",
        "password" : "singtogether",
        "email" : "singsong@gmail.com"
}

db.user_hobby.insert({id:'776', user_id:'sing_song_776', hobby_id:'singing_776'})

writeResult({ "nInserted" : 1 })
> db.user_hobby.find().pretty()

{
        "_id" : ObjectId("5c76b8541c07828c958878c0"),
        "id" : "776",
        "nobby_id" : "sing_song_776",
    }
} db.hobbies.insert({id:'776', name:'risa'})
writeResult({ "nInserted" : 1 })
> db.hobbies.find().pretty()

{
        "_id" : ObjectId("5c76b8bb1c07828c958878c1"),
        "id" : "776",
        "name" : "risa"
}
```