

Lecture Instructions

Create new namespace **m103.messages**:

```
use m103
db.createCollection('messages')
```

COPY

Query the oplog, filtering out the heartbeats ("**periodic noop**") and only returning the latest entry:

```
use local
db.oplog.rs.find( { "o.msg": { $ne: "periodic noop" } } ).sort( { $natural:
-1 } ).limit(1).pretty()
```

COPY

Inserting 100 different documents:

```
use m103
for ( i=0; i< 100; i++) { db.messages.insert( { 'msg': 'not yet', _id: i }
) }
db.messages.count()
```

COPY

Querying the oplog to find all operations related to **m103.messages**:

```
use local
db.oplog.rs.find({"ns": "m103.messages"}).sort({$natural: -1})
```

COPY

Illustrating that one update statement may generate many entries in the oplog:

```
use m103
db.messages.updateMany( {}, { $set: { author: 'norberto' } } )
use local
db.oplog.rs.find( { "ns": "m103.messages" } ).sort( { $natural: -1 } )
```

COPY

Remember, even though you **can** write data to the **local** db, you should not.

