Nesting Sub Documents



How we can nest sub-documents



Object format

```
Name: 'Patrick',
Age: 38,
Books: [
    {title: 'Name of the Wind', pages: 400},
    {title: 'Wise Man's Fear', pages: 500}
```

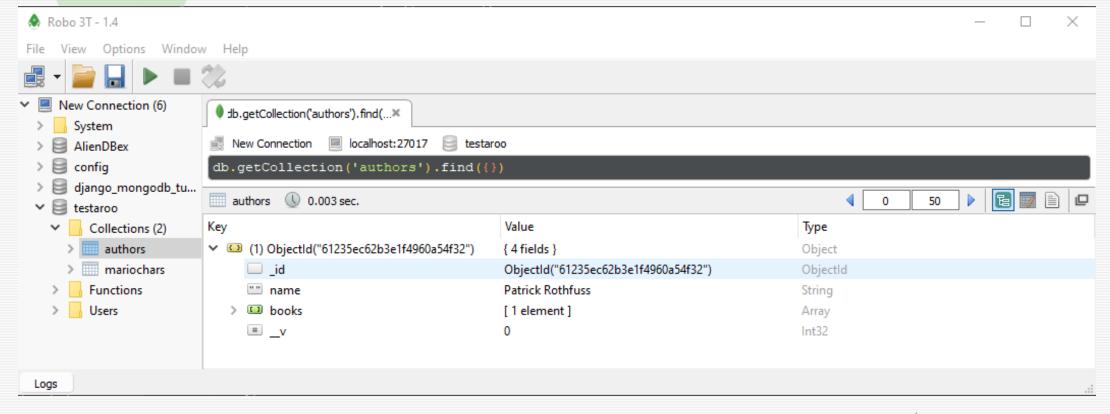
Create file "nesting_test.js" in the folder "test"



```
const assert = require('assert');
const mongoose = require('mongoose');
const Author = require('../models/authors');
// Describe our tests
describe('Nesting records', function(){
    // Create tests
    it('Creates an author with sub-documents', function(done){
        var pat = new Author({
            name: 'Patrick Rothfuss',
            books: [{title: 'Name of the Wind', pages: 400}]
        });
        pat.save().then(function(){
            Author.findOne({name: 'Patrick Rothfuss'}).then(function(record){
                assert(record.books.length === 1);
                done();
           });
        });
   });
});
```



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```
describe('Nesting records', function(){
    beforeEach(function(done){
        // Drop the collection
       mongoose.connection.collections.authors.drop(function(){
            done();
                                                                                Insert
       });
                                                                                code
    });
    it('Creates an author with sub-documents', function(done){
    });
    it('Adds a book to an author', function(done){
        var pat = new Author({
            name: 'Patrick Rothfuss',
            books: [{title: 'Name of the Wind', pages: 400}]
        });
        pat.save().then(function(){
            Author.findOne({name: 'Patrick Rothfuss'}).then(function(record){
                // add a book to the books collection
                record.books.push({title: "Wise Man's Fear", pages: 500});
                record.save().then(function(){
                    Author.findOne({name: 'Patrick Rothfuss'}).then(function(record){
                        assert(record.books.length === 2);
                        done();
                    });
               });
           });
       });
```

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