


# Finding Records






## How to search for and find records using Mongoose.

We do this via a number of methods, but the ones we'll be looking at in this series are `find()` and `findOne()`.

# So far...

- Make a connection to MongoDB using mongoose
  - Set up a simple test environment with Mocha
  - Create a model and Schema
  - Create an instance of a model (a single record) and save it to the database
  - Drop a collection from the database
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# Saving Records

- Focus on 2 Mongoose methods:
  - `find(criteria)`
  - `findOne(criteria)`
- Use these methods on the models themselves, unlike the `save()` method

# Examples..

- The save() method was an a single instance...
  - `myChar = new MarioChar({name: 'Mario'})`
  - `MyChar.save()`
- The find() methods are on the models...
  - `MarioChar.find({name: 'Mario'})`



Create file "finding\_test.js" in folder the "test"

```
const assert = require('assert');
const MarioChar = require('../models/mariochar');

// Describe our tests
describe('Finding records', function(){
  var char
  // Add a character to the db before each tests
  beforeEach(function(done){
    char = new MarioChar({
      name: 'Mario'
    });
    char.save().then(function(){
      assert(char.isNew === false);
      done();
    });
  });

  // Create tests
  it('Finds a record from the database', function(done){
    MarioChar.findOne({name: 'Mario'}).then(function(result){
      assert(result.name === 'Mario');
      done();
    });
  });
});
```

That is how we find  
records from a  
database

thank you!

