```
> next
1. JavaScript Shell
The first thing to notice is that the MongoDB shell is JavaScript-based.
So you can do things like:
  a = 5;
  a * 10;
  for(i=0; i<10; i++) { print('hello'); };
Try a few JS commands; when you're ready to move on, enter 'next'
> a=5
> a *10;
> for(i=0; i<10; i++) { print('hello'); };
hello
hello
hello
hello
hello
```

```
  var student = {name: 'Jim', scores: [75, 99, 87.2]};
Create some documents, then enter 'next'
>    var a = {age: 25};
{
 "age" : 25
 }
> var n = {name: 'Ed', languages: ['c', 'ruby', 'js']};
{
 "name" : "Ed",
 "languages" : [   "c",   "ruby",   "js" ]
 }
> var student = {name: 'Jim', scores: [75, 99, 87.2]};
{
 "name" : "Jim",
 "scores" : [   75,   99,   87.2 ]
 }
```

```
Once you've tried this, type 'next'.

>  db.scores.save({a: 99});
"ok"
> db.scores.find()

[
  {  "a" : 99,  "_id" : {  "$oid" : "5148c1bdcc93742c16034ffb"  }  },
  {  "exam" : 5,  "a" : 3,  "_id" : {  "$oid" : "5148c1facc93742c16034ffd"  }  },
  {  "exam" : 5,  "a" : 2,  "_id" : {  "$oid" : "5148c1facc93742c16034ffe"  }  },
  {  "exam" : 5,  "a" : 1,  "_id" : {  "$oid" : "5148c1facc93742c16034fff"  }  },
  {  "exam" : 5,  "a" : 5,  "_id" : {  "$oid" : "5148c1facc93742c16035000"  }  },
  {  "exam" : 5,  "a" : 6,  "_id" : {  "$oid" : "5148c1facc93742c16035001"  }  },
  {  "exam" : 5,  "a" : 7,  "_id" : {  "$oid" : "5148c1facc93742c16035002"  }  },
  {  "exam" : 5,  "a" : 4,  "_id" : {  "$oid" : "5148c1facc93742c16035003"  }  },
  {  "exam" : 5,  "a" : 8,  "_id" : {  "$oid" : "5148c1facc93742c16035004"  }  },
  {  "exam" : 5,  "a" : 0,  "_id" : {  "$oid" : "5148c1facc93742c16035005"  }  }
]
```

```
> db.scores.find({a: 99});

[
  {  "a" : 99,  "_id" : {  "$oid" : "5148c1bdcc93742c16034ffb"  }  },
  {  "a" : 99,  "_id" : {  "$oid" : "5148c469cc93742c1603507f"  }  }
]
>
```

```
]
> back
5. Basic Queries
You've already tried a few queries, but let's make them more specific.
How about finding all documents where a == 2:
  db.scores.find({a: 2});

Or what about documents where a > 15?
  db.scores.find({a: {'$gt': 15}});

> db.scores.find({a: {'$gt': 15}});

[
  {   "a" : 99,   "_id" : {   "$oid" : "5148c1bdcc93742c16034ffb"   }   },
  {   "a" : 99,   "_id" : {   "$oid" : "5148c469cc93742c1603507f"   }   }
]
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```
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5. Basic Queries
You've already tried a few queries, but let's make them more specific.
How about finding all documents where a == 2:
  db.scores.find({a: 2});

Or what about documents where a > 15?
  db.scores.find({a: {'$gt': 15}});

> db.scores.find({a: 2});

[
  {   "exam" : 5,   "a" : 2,   "_id" : {   "$oid" : "5148c1facc93742c16034ffe"   }   },
  {   "exam" : 5,   "a" : 2,   "_id" : {   "$oid" : "5148c48ecc93742c16035089"   }   }
]
>
```