

```
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 = 10000;
10000
> print(a)
10000
> for(i=0; i<3; i++) { print('aint nobody got time for that!'); };
aint nobody got time for that!
aint nobody got time for that!
aint nobody got time for that!
```

1.

```
2. Documents
MongoDB is a document database. This means that we store data as documents,
which are similar to JavaScript objects. Here below are a few sample JS objects:
  var a = {age: 25};
  var n = {name: 'Ed', languages: ['c', 'ruby', 'js']};
  var student = {name: 'Jim', scores: [75, 99, 87.2]};
Create some documents, then enter 'next'
> var n = {name: 'Sweet Brown', quote: 'Aint nobody got time for that'};
{
  "name" : "Sweet Brown",
  "quote" : "Aint nobody got time for that"
}
> var n = {Name: 'Sweet Brown', Quotes: ['Aint nobody got time for that', 'I got bronchiti
{
  "Name" : "Sweet Brown",
  "Quotes" : [ "Aint nobody got time for that", "I got bronchitis.", "I ran for my life." ]
}
```

2.

### 3. Saving

Here's how you save a document to MongoDB:

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

This says, "save the document '{a: 99}' to the 'scores' collection."

Go ahead and try it. Then, to see if the document was saved, try

```
db.scores.find();
```

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

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

```
"ok"
```

```
> db.scores.find();
```

```
[
  {   "a" : 99,   "_id" : {   "$oid" : "516751bccc93742c1604c142"   }   }
]
```

3.

(enter 'next' when you're ready)

```
> for(i=0; i<10; i++) { db.scores.save({a: i, exam: 5}) };
```

```
"ok"
```

```
> db.scores.find();
```

```
[
  {   "a" : 99,   "_id" : {   "$oid" : "516751bccc93742c1604c142"   }   },
  {   "exam" : 5,   "a" : 2,   "_id" : {   "$oid" : "5167522bcc93742c1604c143"   }   },
  {   "exam" : 5,   "a" : 1,   "_id" : {   "$oid" : "5167522bcc93742c1604c144"   }   },
  {   "exam" : 5,   "a" : 0,   "_id" : {   "$oid" : "5167522bcc93742c1604c145"   }   },
  {   "exam" : 5,   "a" : 5,   "_id" : {   "$oid" : "5167522bcc93742c1604c146"   }   },
  {   "exam" : 5,   "a" : 4,   "_id" : {   "$oid" : "5167522bcc93742c1604c147"   }   },
  {   "exam" : 5,   "a" : 3,   "_id" : {   "$oid" : "5167522bcc93742c1604c148"   }   },
  {   "exam" : 5,   "a" : 8,   "_id" : {   "$oid" : "5167522bcc93742c1604c149"   }   },
  {   "exam" : 5,   "a" : 6,   "_id" : {   "$oid" : "5167522bcc93742c1604c14a"   }   },
  {   "exam" : 5,   "a" : 7,   "_id" : {   "$oid" : "5167522bcc93742c1604c14b"   }   }
]
```

4.

```

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

[
  { "exam" : 5, "a" : 2, "_id" : { "$oid" : "5167522bcc93742c1604c143" } },
  { "exam" : 5, "a" : 2, "_id" : { "$oid" : "5167536acc93742c1604c151" } }
]

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

[
  { "a" : 99, "_id" : { "$oid" : "516751bccc93742c1604c142" } }
]

> db.scores.find({a: {'$gt': 13}});

[
  { "a" : 99, "_id" : { "$oid" : "516751bccc93742c1604c142" } },
  { "exam" : 5, "a" : 14, "_id" : { "$oid" : "5167536bcc93742c1604c159" } }
]

```

5.