

• Tutorial 1

The screenshot shows a Firefox browser window with the address bar at `www.mongodb.org/#`. The page title is "A Tiny MongoDB Browser Shell" with a subtitle "Just enough to scratch the surface (mini tutorial included)". A "X CLOSE" button is in the top right of the shell area. The shell itself is a dark box with green text showing the following commands and output:

```
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
hello
hello
hello
hello
hello
>
```

Below the shell, the text "Agile and Scalable" is followed by a description of MongoDB as a scalable, high-performance, open source NoSQL database. To the right, there is a "Newsletter Signup" section with the text "Keep up to date with MongoDB!" and an input field for an "E-Mail Address".

Agile and Scalable

MongoDB (from "humongous") is a scalable, high-performance, [open source](#) NoSQL database. Written in C++, MongoDB features:

Newsletter Signup

Keep up to date with MongoDB!

E-Mail Address

- Tutorial 2

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MongoDB

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A Tiny MongoDB Browser Shell

Just enough to scratch the surface (mini tutorial included)

```
Create some documents, then enter 'next'

> var a = {age: 25};
{
  "age" : 25
}

> var student = {name: 'Matt', scores: [75,88, 100, 22]};
{
  "name" : "Matt",
  "scores" : [ 75, 88, 100, 22 ]
}

> var student = {name: 'Jim', scores: [50, 44, 77.2]};
{
  "name" : "Jim",
  "scores" : [ 50, 44, 77.2 ]
}

> |
```

Agile and Scalable

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A Tiny MongoDB **Browser Shell**

Just enough to scratch the surface (mini tutorial included)

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" : "5144db7acc93742c160329a8"   }  }
]
>
```

Agile and Scalable

MongoDB (from "humongous") is a scalable, high-performance, [open source](#) NoSQL database. Written in C++, MongoDB features:

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A Tiny MongoDB Browser Shell

Just enough to scratch the surface (mini tutorial included)

```
4. Saving and Querying
Try adding some documents to the scores collection:
  for(i=0; i<10; i++) { db.scores.save({a: i, exam: 5}) };

Try that, then enter
  db.scores.find();
to see if the save succeeded. Since the shell only displays 10 results at time,
you'll need to enter the 'it' command to iterate over the rest.

(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" : { "$oid" : "5144db7acc93742c160329a8" } },
  { "exam" : 5, "a" : 0, "_id" : { "$oid" : "5144dbb0cc93742c160329a9" },
  { "exam" : 5, "a" : 2, "_id" : { "$oid" : "5144dbb0cc93742c160329aa" }
```

Agile and Scalable

MongoDB (from "humongous") is a scalable, high-performance, [open source](#) NoSQL database. Written in C++, MongoDB features:

- Tutorial 4 con't

The screenshot shows a Firefox browser window with the title 'MongoDB'. The address bar displays 'www.mongodb.org/#' and the search bar contains 'npde.js'. The browser's toolbar includes various social media and utility icons. The main content area is titled 'A Tiny MongoDB Browser Shell' with a subtitle 'Just enough to scratch the surface (mini tutorial included)'. Below the title is a dark-themed terminal window showing a JavaScript script that inserts 10 documents into the 'scores' collection. The script is: `> for(i=0; i<10; i++) { db.scores.save({a: i, exam: 5}) };`. The terminal output shows 'ok' followed by the result of `db.scores.find()`, which is an array of 10 documents. Each document has an 'exam' field with the value 5 and an 'a' field with values from 0 to 9. The documents are also identified by their '_id' and '\$oid' fields. Below the terminal window, the section 'Agile and Scalable' is visible, followed by a paragraph stating that MongoDB (from 'humongous') is a scalable, high-performance, open source NoSQL database, and that it is written in C++.

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A Tiny MongoDB Browser Shell

Just enough to scratch the surface (mini tutorial included)

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

[
  { "a" : 99, "_id" : { "$oid" : "5144db7acc93742c160329a8" } },
  { "exam" : 5, "a" : 0, "_id" : { "$oid" : "5144dbb0cc93742c160329a9" },
  { "exam" : 5, "a" : 2, "_id" : { "$oid" : "5144dbb0cc93742c160329aa" },
  { "exam" : 5, "a" : 1, "_id" : { "$oid" : "5144dbb0cc93742c160329ab" },
  { "exam" : 5, "a" : 5, "_id" : { "$oid" : "5144dbb0cc93742c160329ac" },
  { "exam" : 5, "a" : 3, "_id" : { "$oid" : "5144dbb0cc93742c160329ad" },
  { "exam" : 5, "a" : 4, "_id" : { "$oid" : "5144dbb0cc93742c160329ae" },
  { "exam" : 5, "a" : 6, "_id" : { "$oid" : "5144dbb0cc93742c160329af" },
  { "exam" : 5, "a" : 8, "_id" : { "$oid" : "5144dbb0cc93742c160329b0" },
  { "exam" : 5, "a" : 7, "_id" : { "$oid" : "5144dbb0cc93742c160329b1" }
]
```

Agile and Scalable

MongoDB (from "humongous") is a scalable, high-performance, [open source](#) NoSQL database.

Written in C++, MongoDB features:

- **Tutorial 5**

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A Tiny MongoDB **Browser Shell**

Just enough to scratch the surface (mini tutorial included)

```
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" : {   "$oid" : "5144dbb0cc93742c160329aa"
}
]
> db.scores.find({a: {'$gt': 15}});

[
  {  "a" : 99,   "_id" : {   "$oid" : "5144db7acc93742c160329a8"   }   }
]
```

Agile and Scalable

MongoDB (from "humongous") is a scalable, high-performance, [open source](#) NoSQL database.
Written in C++, MongoDB features: