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TC 362  
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Week 8

### Start:

```
MongoDB browser shell version: 0.1.0
connecting to random database
type "help" for help
type "tutorial" to start the tutorial
> tutorial

This is a self-guided tutorial on MongoDB and the MongoDB shell.
The tutorial is simple, more or less a few basic commands to try.
To go directly to any part tutorial, enter one of the commands t0, t1, t2...t10
Otherwise, use 'next' and 'back'. Start by typing 'next' and pressing enter.
>
```

### End of tutorial 1:

```
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
hello
hello
hello
hello
hello
> |
```

## End of tutorial 2:

```
var student = {name: 'Jim', scores: [75, 99, 87.2]};
Create some documents, then enter 'next'
> var a = {age: 22};
{
  "age" : 22
}
> var n = {name: 'Kyle', languages: ['python', 'php', 'js']};
{
  "name" : "Kyle",
  "languages" : [ "python", "php", "js" ]
}
> var student = {name: 'Kyle', scores: [75, 99, 87.2]};
{
  "name" : "Kyle",
  "scores" : [ 75, 99, 87.2 ]
}
>
```

## End of tutorial 3:

```
> db.scores.find();
JS Error: TypeError: db.scores.find is not a function
> db.scores.find();

[
  { "a" : 99, "_id" : { "$oid" : "5145c98ccc93742c16032d91" } },
  { "exam" : 5, "a" : 0, "_id" : { "$oid" : "5145c9dbcc93742c16032d92" } },
  { "exam" : 5, "a" : 1, "_id" : { "$oid" : "5145c9dbcc93742c16032d93" } },
  { "exam" : 5, "a" : 5, "_id" : { "$oid" : "5145c9dbcc93742c16032d94" } },
  { "exam" : 5, "a" : 2, "_id" : { "$oid" : "5145c9dbcc93742c16032d95" } },
  { "exam" : 5, "a" : 4, "_id" : { "$oid" : "5145c9dbcc93742c16032d96" } },
  { "exam" : 5, "a" : 3, "_id" : { "$oid" : "5145c9dbcc93742c16032d97" } },
  { "exam" : 5, "a" : 9, "_id" : { "$oid" : "5145c9dbcc93742c16032d98" } },
  { "exam" : 5, "a" : 8, "_id" : { "$oid" : "5145c9dbcc93742c16032d99" } },
  { "exam" : 5, "a" : 7, "_id" : { "$oid" : "5145c9dbcc93742c16032d9a" } }
]
>
```

#### End of tutorial 4:

```
{  "exam" : 5,   "a" : 3,   "_id" : {   "$oid" : "5145c9dbcc93742c16032d97"   }   },
{  "exam" : 5,   "a" : 9,   "_id" : {   "$oid" : "5145c9dbcc93742c16032d98"   }   },
{  "exam" : 5,   "a" : 8,   "_id" : {   "$oid" : "5145c9dbcc93742c16032d99"   }   },
{  "exam" : 5,   "a" : 7,   "_id" : {   "$oid" : "5145c9dbcc93742c16032d9a"   }   }
]

> it

[
{  "exam" : 5,   "a" : 6,   "_id" : {   "$oid" : "5145c9dbcc93742c16032d9b"   }   },
{  "a" : 99,   "_id" : {   "$oid" : "5145e540cc93742c16032e0e"   }   },
{  "exam" : 5,   "a" : 3,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e0f"   }   },
{  "exam" : 5,   "a" : 1,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e10"   }   },
{  "exam" : 5,   "a" : 2,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e11"   }   },
{  "exam" : 5,   "a" : 0,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e12"   }   },
{  "exam" : 5,   "a" : 5,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e13"   }   },
{  "exam" : 5,   "a" : 4,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e14"   }   },
{  "exam" : 5,   "a" : 6,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e15"   }   },
{  "exam" : 5,   "a" : 9,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e16"   }   }
]
```

#### End of tutorial 5:

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

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

[
{  "exam" : 5,   "a" : 2,   "_id" : {   "$oid" : "5145c9dbcc93742c16032d95"   }   },
{  "exam" : 5,   "a" : 2,   "_id" : {   "$oid" : "5145e6e9cc93742c16032e11"   }   }
]

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

[
{  "a" : 99,   "_id" : {   "$oid" : "5145c98ccc93742c16032d91"   }   },
{  "a" : 99,   "_id" : {   "$oid" : "5145e540cc93742c16032e0e"   }   }
]

>
```