

MONGODB - CREATE COLLECTION

http://www.tutorialspoint.com/mongodb/mongodb_create_collection.htm

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The createCollection Method

MongoDB **db.createCollection***name, options* is used to create collection.

Syntax:

Basic syntax of **createCollection** command is as follows

```
db.createCollection(name, options)
```

In the command, **name** is name of collection to be created. **Options** is a document and used to specify configuration of collection

Parameter	Type	Description
Name	String	Name of the collection to be created
Options	Document	<i>Optional</i> Specify options about memory size and indexing

Options parameter is optional, so you need to specify only name of the collection. Following is the list of options you can use:

Field	Type	Description
capped	Boolean	<i>Optional</i> If true, enables a capped collection. Capped collection is a collection fixed size colleccction that automatically overwrites its oldest entries when it reaches its maximum size. If you specify true, you need to specify size parameter also.
autoIndexID	Boolean	<i>Optional</i> If true, automatically create index on _id field.s Default value is false.
size	number	<i>Optional</i> Specifies a maximum size in bytes for a capped collection. If capped is true, then you need to specify this field also.
max	number	<i>Optional</i> Specifies the maximum number of documents allowed in the capped collection.

While inserting the document, MongoDB first checks size field of capped collection, then it checks max field.

Examples:

Basic syntax of **createCollection** method without options is as follows

```
>use test
switched to db test
>db.createCollection("mycollection")
{ "ok" : 1 }
>
```

You can check the created collection by using the command **show collections**

```
>show collections
mycollection
system.indexes
```

Following example shows the syntax of **createCollection** method with few important options:

```
>db.createCollection("mycol", { capped : true, autoIndexID : true, size : 6142800, max :
10000 } )
{ "ok" : 1 }
>
```

In mongodb you don't need to create collection. MongoDB creates collection automatically, when you insert some document.

```
>db.tutorialspoint.insert({"name" : "tutorialspoint"})
>show collections
mycol
mycollection
system.indexes
tutorialspoint
>
```

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