MONGODB - CREATE COLLECTION

In this chapter, we will see how to create a collection using MongoDB.

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 is used to specify configuration of collection.

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

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

Field	Type	Description
capped	Boolean	*Optional* If true, enables a capped collection. Capped collection is a fixed size collection 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	*Optional* If true, automatically create index on _id field.s Default value is false.
size	number	*Optional* Specifies a maximum size in bytes for a capped collection. **If capped is true, then you need to specify this field also.**

max	number	*Optional* 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
```

The 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
>
```