

Create Database in MongoDB

In this tutorial, we will see how to create and use a database in MongoDB.

MongoDB Create Database

Start the MongoDB service by typing this command:

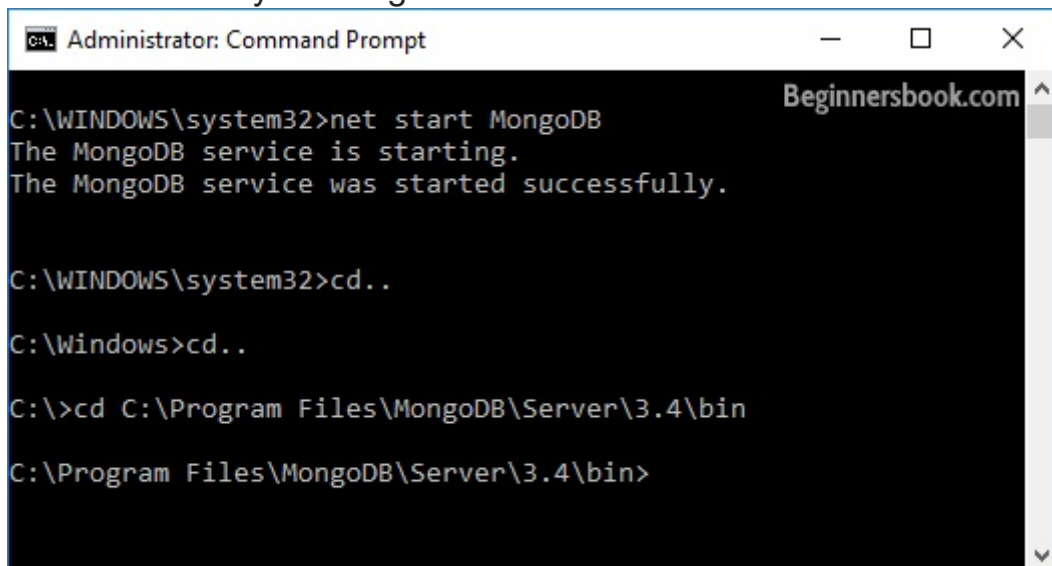
```
net start MongoDB
```

You should see a message like this:

The MongoDB service **is** starting..

The MongoDB service was started successfully.

Navigate to the bin directory of MongoDB as shown in the screenshot below:



```
Administrator: Command Prompt
C:\WINDOWS\system32>net start MongoDB
The MongoDB service is starting.
The MongoDB service was started successfully.

C:\WINDOWS\system32>cd..
C:\Windows>cd..
C:\>cd C:\Program Files\MongoDB\Server\3.4\bin
C:\Program Files\MongoDB\Server\3.4\bin>
```

Now we should be working in the MongoDB shell. To run the MongoDB shell, type the following command:

```
mongo
```

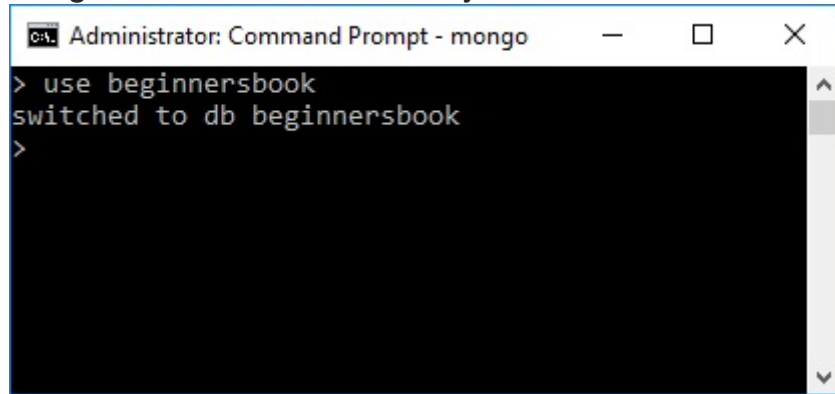
Once you are in the MongoDB shell, create the database in MongoDB by typing this command:

```
use database_name
```

For example I am creating a database “beginnersbook” so the command should be:

```
use beginnersbook
```

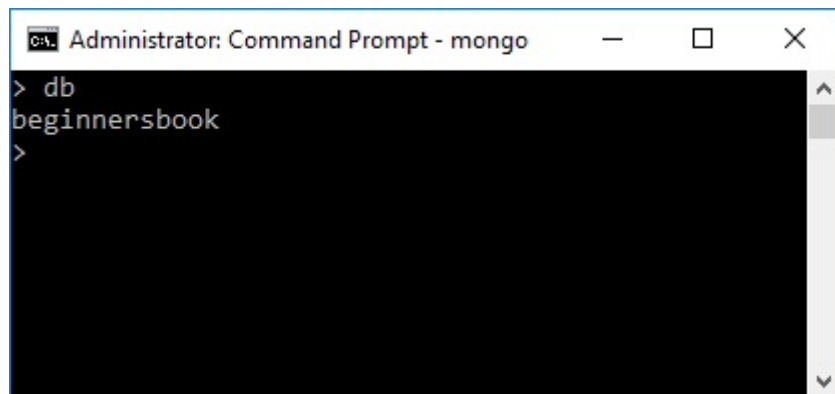
Note: If the database name you mentioned is already present then this command will connect you to the database. However if the database doesn't exist then this will create the database with the given name and connect you to it.

A screenshot of a Windows Command Prompt window titled "Administrator: Command Prompt - mongo". The prompt shows the command "> use beginnersbook" being entered, followed by the output "switched to db beginnersbook". The prompt is ready for the next command with ">".

```
Administrator: Command Prompt - mongo
> use beginnersbook
switched to db beginnersbook
>
```

At any point if you want to check the currently connected database just type the command **db**. This command will show the database name to which you are currently connected. This is really helpful command when you are working with several databases so that before creating a collection or inserting a document in database, you may want to ensure that you are in the right database.

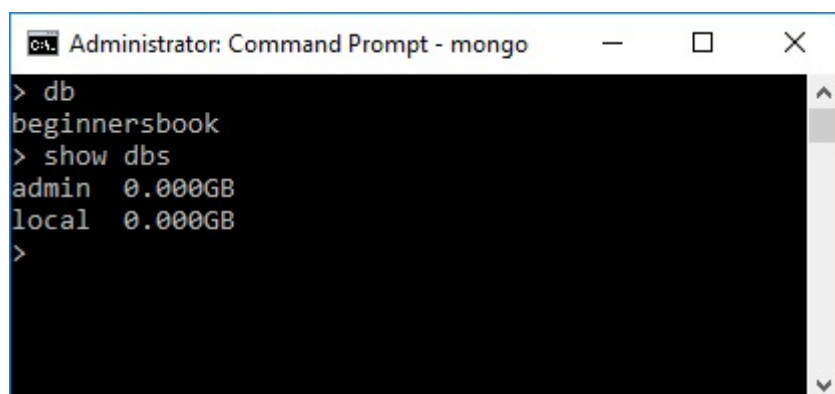
```
> db
beginnersbook
```

A screenshot of a Windows Command Prompt window titled "Administrator: Command Prompt - mongo". The prompt shows the command "> db" being entered, followed by the output "beginnersbook". The prompt is ready for the next command with ">".

```
Administrator: Command Prompt - mongo
> db
beginnersbook
>
```

To list down all the databases, use the command **show dbs**. This command lists down all the databases and their size on the disk.

```
> show dbs
admin  0.000GB
local  0.000GB
```

A screenshot of a Windows Command Prompt window titled "Administrator: Command Prompt - mongo". The prompt shows the command "> show dbs" being entered, followed by the output "admin 0.000GB" and "local 0.000GB". The prompt is ready for the next command with ">".

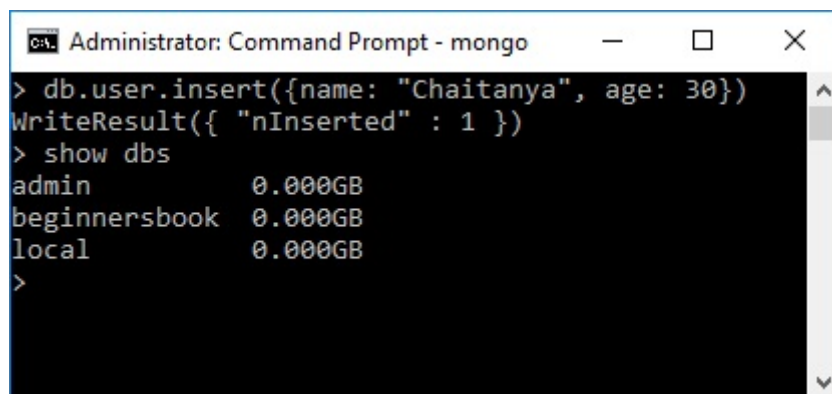
```
Administrator: Command Prompt - mongo
> db
beginnersbook
> show dbs
admin  0.000GB
local  0.000GB
>
```

As you can see that the database “beginnersbook” that we have created is not present in the list of all the databases. This is because a database is not created until you save a document in it

Now we are creating a collection **user** and inserting a document in it.

We will learn how to create collection and document in the next tutorials.

```
> db.user.insert({name: "Chaitanya", age: 30})
WriteResult({ "nInserted" : 1 })
> show dbs
admin          0.000GB
beginnersbook  0.000GB
local          0.000GB
```



```
Administrator: Command Prompt - mongo
> db.user.insert({name: "Chaitanya", age: 30})
WriteResult({ "nInserted" : 1 })
> show dbs
admin          0.000GB
beginnersbook  0.000GB
local          0.000GB
>
```