



## Module 4

## **GridFS**

**Step 1:** first using gridfs command save the image in the required database. Like I want to store my image in a collection named **student** in database **newdb.** 

So this is my student collection inside **newdb** 

**Step 2:** now store the picture using gridfs command in the database newdb

```
Microsoft Windows [Version 6.1.7601]
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C:\Users\admin>cd\mongodb\bin

C:\mongodb\bin>mongofiles.exe -d newdb put "C:\Users\Public\Pictures\Sample Pictures\Koala.jpg"
connected to: 127.0.0.1
added file: { _id: ObjectId('54cc8cc004a6289889e59d9c'), filename: "C:\Users\Public\Pictures\Sample Pictures\Koala.jpg", chunkSize: 261120, uploadDate: new Date (1422691520517), md5: "2b04df3ecc1d94afddff082d139c6f15", length: 780831 }
done!

C:\mongodb\bin>

C:\mongodb\bin>

C:\mongodb\bin>
```

This step shows that my image is saved in my database newdb





Step 3: Now through show collections we will see to two new collection automatically created in the database **newdb**.

**Step 4 :** when we search this **fs.files** collection the object id of the image is displayed. As shown in the screenshot:

**Step 5:** now to save this image in our student collection we have to use reference.

In two ways we can do references first is manual.

To make manual reference the steps is shown in the screenshot



The second method is through DBRef

So we have created DBRef also in the same document with the command shown in screen.

Now this document have the student information as well as image stored with it.

Now to retrieve the document containing this image you can follow these steps.

**Step 6:** To see the image document using manual reference, follow the commands.





To retrieve the document using DBRef.