

NAME – ANSH GOEL

REGISTER NO. – 20BCE1798

COURSE NAME – INTERNET AND WEB PROGRAMMING

COURSE CODE – CSE3002

LAB – 11

NODE.JS

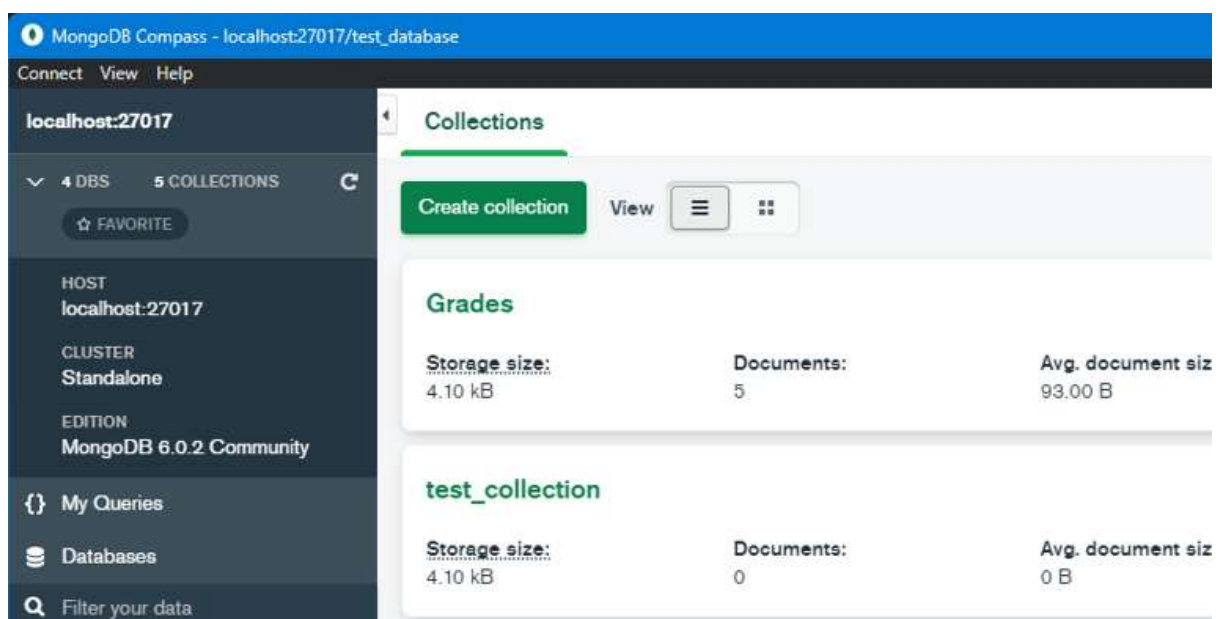
NAME: ANSH GOEL

REG NO.: 20BCE1798






Create a student grade history using node.js and mongoDB. Perform the following functions. Read, Insert, UPDATE, Delete and drop the collection.

Q. Create the database for the student grade history using mongoDB and node.js and perform the following operations:

In MongoDB database name test\_database and collection name Grades is created



--> Insert 5 documents

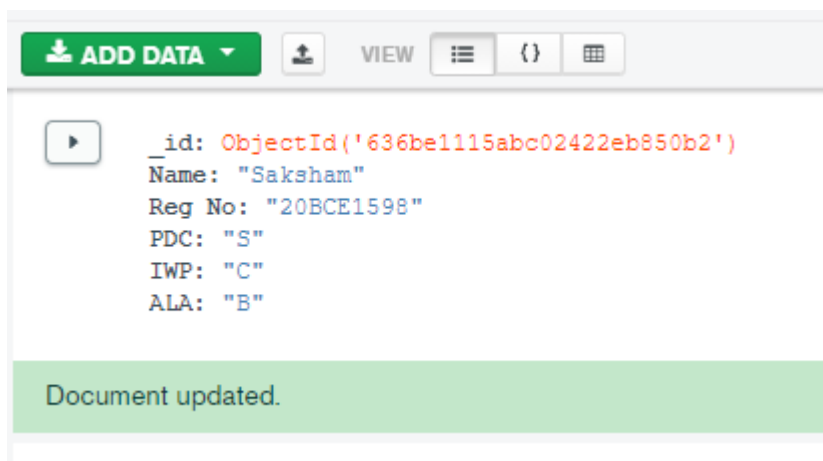
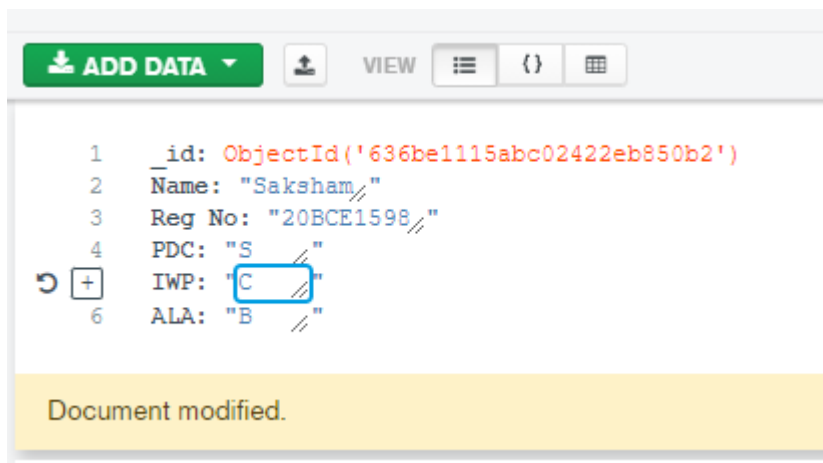
	 VIEW   
<pre>_id: ObjectId('636be1115abc02422eb850b2') Name: "Saksham" Reg No: "20BCE1598" PDC: "S" IWP: "D" ALA: "B"</pre>	
<pre>_id: ObjectId('636be1115abc02422eb850b3') Name: "Ayan" Reg No: "20BCE1851" PDC: "A" IWP: "C" ALA: "E"</pre>	
<pre>_id: ObjectId('636be1115abc02422eb850b4') Name: "Akshit" Reg No: "20BCE1818" PDC: "B" IWP: "B" ALA: "S"</pre>	
<pre>_id: ObjectId('636be1115abc02422eb850b5') Name: "Ansh" Reg No: "20BCE1801" PDC: "C" IWP: "A" ALA: "D"</pre>	
<pre>_id: ObjectId('636be1115abc02422eb850b6') Name: "Kashish" Reg No: "20BCE1790" PDC: "D" IWP: "S" ALA: "E"</pre>	

--> Update 2 documents to the existing collection

### Updating first document

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://127.0.0.1:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("StudentGradeHistory");
  var myquery = { address: "Valley 345" };
  var newvalues = { $set: {name: "Mickey", address: "Canyon 123" } };
  dbo.collection("customers").updateOne(myquery, newvalues, function(er
r, res) {
    if (err) throw err;
    console.log("1 document updated");
    db.close();
  });
});
```



## Updating 2<sup>nd</sup> document

```
1  _id: ObjectId('636be1115abc02422eb850b3')
2  Name: "Ayan//"
3  Reg No: "20BCE1851//"
4  PDC: "A  //"
5  IWP: "C  //"
6  ALA: "D  //"
```

Document modified.

▶

```
_id: ObjectId('636be1115abc02422eb850b3')
Name: "Ayan"
Reg No: "20BCE1851"
PDC: "A"
IWP: "C"
ALA: "D"
```

Document updated.

--> Find the existing information in the database

**Finding {Name : 'Saksham'}**

[illegible]

### Finding {IWP : 'C'}

FILTER

{IWP : 'C'}

ADD DATA

VIEW

{ }

\_id: ObjectId('636be1115abc02422eb850b2')

Name: "Saksham"

Reg No: "20BCE1598"

PDC: "S"

IWP: "C"

ALA: "B"

\_id: ObjectId('636be1115abc02422eb850b3')

Name: "Ayan"

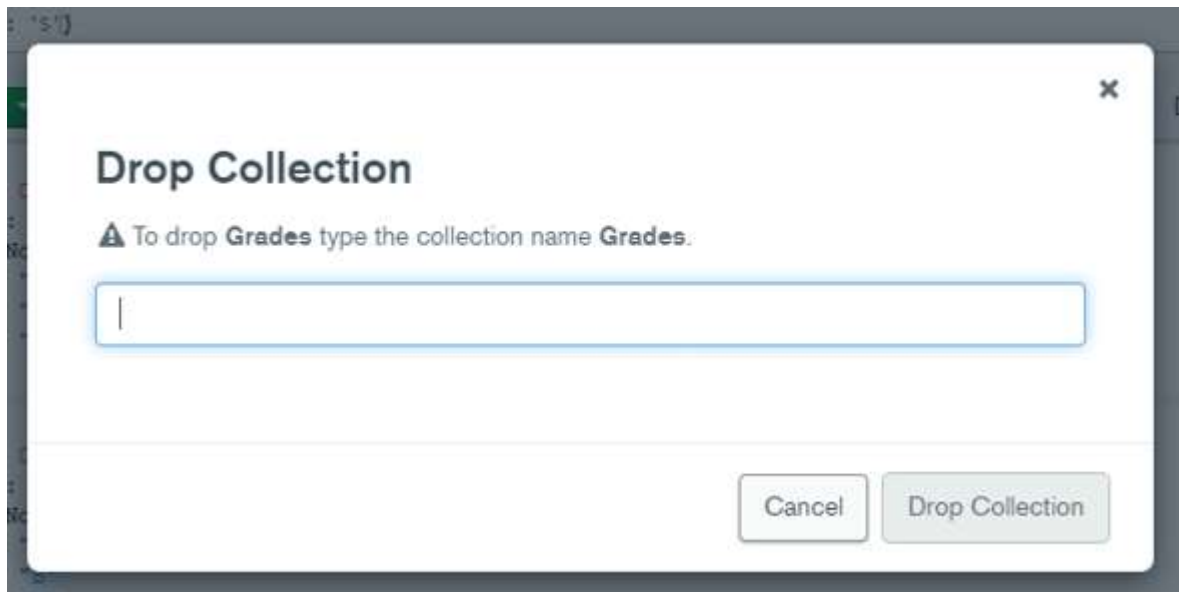
Reg No: "20BCE1851"

PDC: "A"

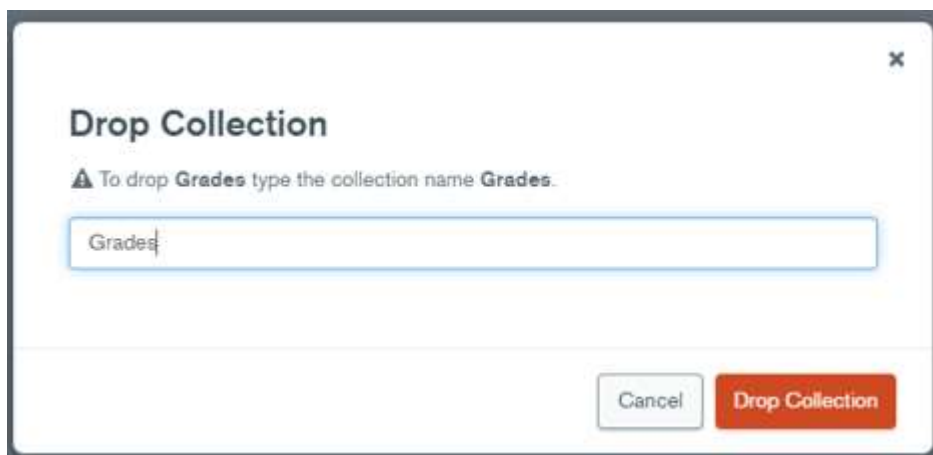
IWP: "C"

ALA: "D"

--> Drop the collection and database



A dialog box titled "Drop Collection" with a close button (X) in the top right corner. Below the title is a warning icon and the text: "To drop **Grades** type the collection name **Grades**." Below this is a text input field that is currently empty. At the bottom right are two buttons: "Cancel" and "Drop Collection".



The same "Drop Collection" dialog box, but now the text input field contains the word "Grades". The "Drop Collection" button is now highlighted in red, while the "Cancel" button remains grey.