

13/10/21 Task - 00

CRUD operations in document database

Aim: To perform (CRUD (create, Read, update, delete) operations) mongoose on mongoDB document database

→ Node is installed

→ mongoDB installed locally or use mongoDB

Atlas

→ NPM package.

Steps: Initialize a Node.js project

mongoose - crud.

cd mongoose-crud

npm init -y

npm install mongoose

Step 2: connect to mongoDB

```
const mongoose = require('mongoose');  
mongoose.connect('mongodb://127.0.0.1:27027/  
student' DB: 4
```

useNew or { useNewUrlParser: true,

useUnifiedTopology: true };

```
* then (s) => console.log('mongoDB connected  
successfully: 1)
```

```
* catch(err => console.log(err));
```

Step 3: create a schema & model

```
const studentSchema = new mongoose  
Schema({
```

```
  name: String,
```

```
  age: Number,
```

```
  course: String,
```

```
  grade: String,
```

```
});
```

```
const student = mongoose.model('student', student  
Schema);
```

step 1: perform create
any function create student {
const student = new student({
name: 'once proud',
age: 21,
course: 'computer science',
grade: 'A'
});

const result = await student save();
console.log('student created:', result);

any function get students {
const student = await student.find();
console.log('all stu:', student);

const student = await student find({grade: 'A'})

update doc

any function update student (id) {
const student = await student find by
id and update {

id,
{grade: 'A'},
{new: true},
};

console.log('update stu:', student);

delete

any function delete student (id) {
const result = await student find by

id and delete (id);
console.log('deleted student:', result);

quantify the value
show measure
benefit
A value proposition is the
Identifying
customer

node app.js

output

student created: {

-id: 612464662aP945T6dc1ab12jy

name: Phandrahatha

age: 21

course: 'computer science',

grade: 'A'

-v: 0,

}

All students: [

{-id: ..., name: age: 21, course:

'computer science grade: 'A'}

] update student: {-- grade: 'A' }

~~delete student: {---}~~

id	612464662aP945T6dc1ab12jy
name	Phandrahatha
age	21
course	computer science
grade	A
-v	0

Result: The Implemented of ~~CRUD~~ operation like ~~creating~~ in sorting finding and removing operation using mongoDB is executed successfully