

13/10/25

Task - 10 - CRUD operations in Document Database

Aim:- → to perform crud operations in mongoose manage DB document database.

→ Node is installed

→ Mongo DB installed locally (or) use mongo DB.

At last

→ NPM packages

1: ~~init~~

Step 1: initialize a node js project

mongoose - crud

cd manager - crud

npm init -y

npm install mongoose

Step 2: Connect to mongo DB;

```
const mongoose = require('mongoose');
```

```
mongoose.connect('mongodb://127.0.0.1:27014/
```

```
student1DB');
```

```
useNewUrlParser = true
```

```
useUnifiedTopology = true
```

```
* then (s) => console.log('mongoose connected')  
Success Ailly)
```

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

Step 3: Create a schema & model

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

```
name: String
```



```

age : number
course : string
grad : string

const student: mongoose.model (see student
schema);

```

step 4: perform Group

```

anyone function create student () {
  const student = new student () {
    name : "vinay"
    age : 21

```

```

    course : "CSE"
    grad : "n"

```

```

const result : array student face ();
console.log ("Student created : result");

```

```

}
a sync function students () {
  const student [] = await student (id);
  console.log ("All stud : ", students)

```

```

}
const student = await students + And (if grading

```

```

  d and update (
    {
      grad : "n";
      new : true;
    }
  );

```

```

console.log (update : student );

```

```

}

```

Delete:

a sync func delete student (id) {
 count key word & await student find by
 id and Delete (id);
 console log (delete student result)
 node opn is

Output:

student created: {

- id = 052444262 of abs b0c7 ab274

name: ~~sinha~~ tarun

age: 21

course: CSE

grade: A

- r = 0;

}

All student: {

{ - id: --, name: age: 21: course:
 CSE grade: A }

}

update student: { -- grad: VEL TECH

Delete student: { --

EX No.	10
PERFORMANCE (5)	6
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	16
SIGN WITH DATE	13/11/23

Result: the implemented of CRUD operation like
creating in sorting finding and memory
operation using mongoose, executed successfully.