Date : 12/10/2025

Task-10 :- CRUD operations IN Document DataBasics

Aim :- To perform cRUD operations mongouse on
mongo.DB document database.

→ node is Instilled.
→ mongo DB installed locality or.
→ use mongo DB
Atly
→ npm packages.

step :- Initialize a Node is Project

Mongoose - crud
Cd mongoose - crud
.npm lim -y
npm instil monsode

step 2 :- connect to mongo DB

const mongoole : require (mongoole).
mongoole connect (mongodb: //127.00|: 270/n
{student |DB:)
use new or presence = True
use wue ed Topopsy = Touey)

* .then(5) ⇒ console. log(mongoDB connect successfully)
* .latch(err ⇒ console log(err);

step 3 :- create a schema & node.li-

const. student schema = new non goole
schema - c
name :- stnns;
age : number;
course : stnns;
grade : stnns;
4)

```
const student = mongosue.model(she inf student
                                schema);
```

```
anyone  function create student()
    const student = new Student ( {
    name : 'vinay';
    age : 21
    course :'computer science'.
    .grade : 'A'
const result = await student save();
console.los('student created;'", result);
}
asym (function get students(7 {
    const student [] : wait student .index;
    console .log('All stud:', students);
}
const students = await student find ({grade=A'})

update doc:-
asyme function update student(id){
    const .student = - waet student read ly.
    d and update [
    :d,
    { grd|id' |',
    d new :true}
    };
    console log('update stu: 'student');
}
```

Delete:-

```
~ sync function delete student (id) {
  count result = await student.findById
    Id and Delete (id);
    console.log('Deleted student :' result')};
  node opp is
```

output:-

```
student created: {
  - id = 0524 + 4f 62c f b5 bdcf a b12] {
  nome = vinay teja.
  age = 21
  course = " computer science;
  grade = 'A'
  - v = 0)
}
```

```
All student: [
  {id -- 1have : age :21: course,
    "computer science grade: 'A'}
}

update student: {- - - grad'_'n')

Delete student :{- - -}
```

Result:- the implemented of CRUD iteration like executing an sorting finding and memory operation wong n onsoon DB .3 executed successfully.