

DBMS1

31147

Assignment B2

Date of completion: 20/10/20

Date of Submission: 12/10/20

Problem Statement:

Design and develop MongoDB queries using CRUD operations, Save method, Logical Operator.

Objective:

- 1) To understand CRUD operations in MongoDB.
- 2) To implement logical operators and save method.

Outcomes:

- 1) Learn about MongoDB operations.
- 2) Learn about various types of queries.

S/W and H/W:-

MongoDB, Windows / Ubuntu, 64 bit OS, 8 GB RAM.

Theory:

MongoDB:

It is a cross platform, document oriented database that provides high performance, high availability and easy scalability.

CRUD operations:

MongoDB provides a set of some basic but essential operations that will help you to interact with server.

1) - create

create or insert operations are used to insert new documents in collection. If a collection does not exist then it will create & insert.

- i) db.collection.insertOne(): single document.
- ii) db.collection.insertMany(): Multiple document.

2) read :

The read operations are used to retrieve documents from collections.

`db.collection.find({})`.

3) Update :

The update operations are used to update or modify the existing document in collection.

i) `db.collection.updateOne()` : used to update a single document

ii) `db.collection.updateMany()` : Used to update multiple documents.

4) Delete :

The delete operations used to delete one or many document from collection.

i) `db.collection.deleteOne()`

ii) `db.collection.deleteMany()`

Logical Operators :

i) \$or :

Joins query clauses with logical OR returns all documents that match either condition.

`{ $or : [{<exp>}, {<exp>}] }`

ii) \$and :

Joins query clauses with a logical AND returns all documents that match all condition.

`{ $and : [{<exp>}, {<exp>}] }`

iii) \$not :

Invert the effect of query expression & returns all document that do not satisfy condition.

`{ field name : { $not : {<exp>} } }`;

save method :

db.collection.save method is used to update an existing document or insert new one.

If document with same object Id is present in collection then update operation takes place. Otherwise, a new document is inserted.

Conclusion :

Successfully designed CRUD queries & its variation and also implemented logical operators and save method.

```
Command Prompt - mongo
> use dbmsl_b2;
switched to db dbmsl_b2
> db.student.insert({rollno:1,name:"Pradyumna",age:20,college:{name:"PICT",city:"Pune"},branch:"Computer",year:"TE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:2,name:"Shubham",age:20,college:{name:"PICT",city:"Pune"},branch:"Computer",year:"SE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:2,name:"Sangat",age:20,college:{name:"PICT",city:"Pune"},branch:"Computer",year:"TE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:3,name:"Vinayak",age:20,college:{name:"VJTI",city:"Mumbai"},branch:"IT",year:"TE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:4,name:"Vinay",age:20,college:{name:"VJTI",city:"Mumbai"},branch:"IT",year:"TE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:5,name:"Vinay",age:20,college:{name:"PICT",city:"Pune"},branch:"IT",year:"SE"});
WriteResult({ "nInserted" : 1 })
>
> db.student.insert({rollno:6,name:"Mark",age:21,college:{name:"PICT",city:"Pune"},branch:"ENTC",year:"TE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:8,name:"Joe",age:21,college:{name:"COEP",city:"Pune"},branch:"Civil",year:"BE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:9,name:"Mike",age:21,college:{name:"COEP",city:"Pune"},branch:"Civil",year:"BE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:10,name:"Joe",age:21,college:{name:"COEP",city:"Pune"},branch:"Mechanical",year:"TE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:11,name:"Steve",age:19,college:{name:"COEP",city:"Pune"},branch:"Mechanical",year:"FE"});
WriteResult({ "nInserted" : 1 })
>
> db.student.insert({rollno:12,name:"Ben",age:19,college:{name:"COEP",city:"Pune"},branch:"Mechanical",year:"FE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:13,name:"Henry",age:19,college:{name:"PICT",city:"Pune"},branch:"Mechanical",year:"FE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:14,name:"Prathamesh",age:19,college:{name:"PICT",city:"Pune"},branch:"ENTC",year:"FE"});
WriteResult({ "nInserted" : 1 })
> db.student.insert({rollno:15,name:"Ram",age:20,college:{name:"PICT",city:"Pune"},branch:"ENTC",year:"TE"});
WriteResult({ "nInserted" : 1 })
>
```

Command Prompt - mongo

```
> db.student.find();
{ "_id" : ObjectId("5f8ea879da82a25a952569b3"), "rollno" : 1, "name" : "Pradyumna", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
{ "_id" : ObjectId("5f8eaad8da82a25a952569b4"), "rollno" : 2, "name" : "Shubham", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "SE" }
{ "_id" : ObjectId("5f8eaaeada82a25a952569b5"), "rollno" : 2, "name" : "Sangat", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
{ "_id" : ObjectId("5f8eab3cda82a25a952569b6"), "rollno" : 3, "name" : "Vinayak", "age" : 20, "college" : { "name" : "VJTI", "city" : "Mumbai" }, "branch" : "IT", "year" : "TE" }
{ "_id" : ObjectId("5f8eab76da82a25a952569b7"), "rollno" : 4, "name" : "Vinay", "age" : 20, "college" : { "name" : "VJTI", "city" : "Mumbai" }, "branch" : "IT", "year" : "TE" }
{ "_id" : ObjectId("5f8ead2ada82a25a952569b8"), "rollno" : 5, "name" : "Vinay", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "IT", "year" : "SE" }
{ "_id" : ObjectId("5f8ead37da82a25a952569b9"), "rollno" : 6, "name" : "Mark", "age" : 21, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
{ "_id" : ObjectId("5f8ead43da82a25a952569ba"), "rollno" : 8, "name" : "Joe", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Civil", "year" : "BE" }
{ "_id" : ObjectId("5f8ead4fda82a25a952569bb"), "rollno" : 9, "name" : "Mike", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Civil", "year" : "BE" }
{ "_id" : ObjectId("5f8ead56da82a25a952569bc"), "rollno" : 10, "name" : "Joe", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "TE" }
{ "_id" : ObjectId("5f8ead5fda82a25a952569bd"), "rollno" : 11, "name" : "Steve", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "FE" }
{ "_id" : ObjectId("5f8ead65da82a25a952569be"), "rollno" : 12, "name" : "Ben", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "FE" }
{ "_id" : ObjectId("5f8ead73da82a25a952569bf"), "rollno" : 13, "name" : "Henry", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Mechanical", "year" : "FE" }
{ "_id" : ObjectId("5f8ead85da82a25a952569c0"), "rollno" : 14, "name" : "Prathamesh", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "FE" }
{ "_id" : ObjectId("5f8ead8cda82a25a952569c1"), "rollno" : 15, "name" : "Ram", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
> db.student.find({rollno:2});
{ "_id" : ObjectId("5f8eaad8da82a25a952569b4"), "rollno" : 2, "name" : "Shubham", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "SE" }
{ "_id" : ObjectId("5f8eaaeada82a25a952569b5"), "rollno" : 2, "name" : "Sangat", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
```

Command Prompt - mongo

```
> db.student.find({year:"FE"});
{ "_id" : ObjectId("5f8ead5fda82a25a952569bd"), "rollno" : 11, "name" : "Steve", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "FE" }
{ "_id" : ObjectId("5f8ead65da82a25a952569be"), "rollno" : 12, "name" : "Ben", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "FE" }
{ "_id" : ObjectId("5f8ead73da82a25a952569bf"), "rollno" : 13, "name" : "Henry", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Mechanical", "year" : "FE" }
{ "_id" : ObjectId("5f8ead85da82a25a952569c0"), "rollno" : 14, "name" : "Prathamesh", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "FE" }
> db.student.update({year:"FE"},{$set:{year:"SE"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.student.find({year:"FE"});
{ "_id" : ObjectId("5f8ead65da82a25a952569be"), "rollno" : 12, "name" : "Ben", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "FE" }
{ "_id" : ObjectId("5f8ead73da82a25a952569bf"), "rollno" : 13, "name" : "Henry", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Mechanical", "year" : "FE" }
{ "_id" : ObjectId("5f8ead85da82a25a952569c0"), "rollno" : 14, "name" : "Prathamesh", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "FE" }
> db.student.updateMany({year:"FE"},{$set:{year:"SE"}});
{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
> db.student.find({year:"FE"});
> db.student.find();
{ "_id" : ObjectId("5f8ea879da82a25a952569b3"), "rollno" : 1, "name" : "Pradyumna", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
{ "_id" : ObjectId("5f8eaad8da82a25a952569b4"), "rollno" : 2, "name" : "Shubham", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "SE" }
{ "_id" : ObjectId("5f8eaaeada82a25a952569b5"), "rollno" : 2, "name" : "Sangat", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
{ "_id" : ObjectId("5f8eab3cda82a25a952569b6"), "rollno" : 3, "name" : "Vinayak", "age" : 20, "college" : { "name" : "VJTI", "city" : "Mumbai" }, "branch" : "IT", "year" : "TE" }
{ "_id" : ObjectId("5f8eab76da82a25a952569b7"), "rollno" : 4, "name" : "Vinay", "age" : 20, "college" : { "name" : "VJTI", "city" : "Mumbai" }, "branch" : "IT", "year" : "TE" }
{ "_id" : ObjectId("5f8ead2ada82a25a952569b8"), "rollno" : 5, "name" : "Vinay", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "IT", "year" : "SE" }
{ "_id" : ObjectId("5f8ead37da82a25a952569b9"), "rollno" : 6, "name" : "Mark", "age" : 21, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
{ "_id" : ObjectId("5f8ead43da82a25a952569ba"), "rollno" : 8, "name" : "Joe", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Civil", "year" : "BE" }
{ "_id" : ObjectId("5f8ead4fda82a25a952569bb"), "rollno" : 9, "name" : "Mike", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Civil", "year" : "BE" }
{ "_id" : ObjectId("5f8ead56da82a25a952569bc"), "rollno" : 10, "name" : "Joe", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "TE" }
{ "_id" : ObjectId("5f8ead5fda82a25a952569bd"), "rollno" : 11, "name" : "Steve", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead65da82a25a952569be"), "rollno" : 12, "name" : "Ben", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead73da82a25a952569bf"), "rollno" : 13, "name" : "Henry", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead85da82a25a952569c0"), "rollno" : 14, "name" : "Prathamesh", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "SE" }
{ "_id" : ObjectId("5f8ead8cda82a25a952569c1"), "rollno" : 15, "name" : "Ram", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
{ "_id" : ObjectId("5f8eb299da82a25a952569c2"), "rollno" : 16, "name" : "Ramesh", "age" : 25, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "BE" }
>
```

```
Command Prompt - mongo
>
> db.student.find().count();
16
> db.student.update({rollno:30},{set:{rollno:31,name:"New Person",age:50,college:{name:"New College",city:"Pune"},branch:"Civil",year:"FE"}});
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.student.update({rollno:30},{set:{rollno:31,name:"New Person",age:50,college:{name:"New College",city:"Pune"},branch:"Civil",year:"FE"}},{upsert:true});
WriteResult({
  "nMatched" : 0,
  "nUpserted" : 1,
  "nModified" : 0,
  "_id" : ObjectId("5f8eb47e8e95dbdff4401a0f")
})
> db.student.find().count();
17
> db.student.find();
{ "_id" : ObjectId("5f8ea879da82a25a952569b3"), "rollno" : 1, "name" : "Pradyumna", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
{ "_id" : ObjectId("5f8eaad8da82a25a952569b4"), "rollno" : 2, "name" : "Shubham", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "SE" }
{ "_id" : ObjectId("5f8eaaada82a25a952569b5"), "rollno" : 2, "name" : "Sangat", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
{ "_id" : ObjectId("5f8eab3cda82a25a952569b6"), "rollno" : 3, "name" : "Vinayak", "age" : 20, "college" : { "name" : "VJTI", "city" : "Mumbai" }, "branch" : "IT", "year" : "TE" }
{ "_id" : ObjectId("5f8eab76da82a25a952569b7"), "rollno" : 4, "name" : "Vinay", "age" : 20, "college" : { "name" : "VJTI", "city" : "Mumbai" }, "branch" : "IT", "year" : "TE" }
{ "_id" : ObjectId("5f8ead2ada82a25a952569b8"), "rollno" : 5, "name" : "Vinay", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "IT", "year" : "SE" }
{ "_id" : ObjectId("5f8ead37da82a25a952569b9"), "rollno" : 6, "name" : "Mark", "age" : 21, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
{ "_id" : ObjectId("5f8ead43da82a25a952569ba"), "rollno" : 8, "name" : "Joe", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Civil", "year" : "BE" }
{ "_id" : ObjectId("5f8ead4fda82a25a952569bb"), "rollno" : 9, "name" : "Mike", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Civil", "year" : "BE" }
{ "_id" : ObjectId("5f8ead56da82a25a952569bc"), "rollno" : 10, "name" : "Joe", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "TE" }
{ "_id" : ObjectId("5f8ead5fda82a25a952569bd"), "rollno" : 11, "name" : "Steve", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead65da82a25a952569be"), "rollno" : 12, "name" : "Ben", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead73da82a25a952569bf"), "rollno" : 13, "name" : "Henry", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead85da82a25a952569c0"), "rollno" : 14, "name" : "Prathamesh", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "SE" }
{ "_id" : ObjectId("5f8ead8cda82a25a952569c1"), "rollno" : 15, "name" : "Ram", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
{ "_id" : ObjectId("5f8eb299da82a25a952569c2"), "rollno" : 16, "name" : "Ramesh", "age" : 25, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "BE" }
{ "_id" : ObjectId("5f8eb47e8e95dbdff4401a0f"), "rollno" : 31, "age" : 50, "branch" : "Civil", "college" : { "name" : "New College", "city" : "Pune" }, "name" : "New Person", "year" : "FE" }
>
```

Select Command Prompt - mongo

```
{ "_id" : ObjectId("5f8ead65da82a25a952569be"), "rollno" : 12, "name" : "Ben", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead73da82a25a952569bf"), "rollno" : 13, "name" : "Henry", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead85da82a25a952569c0"), "rollno" : 14, "name" : "Prathamesh", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "SE" }
{ "_id" : ObjectId("5f8ead8cda82a25a952569c1"), "rollno" : 15, "name" : "Ram", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
{ "_id" : ObjectId("5f8eb299da82a25a952569c2"), "rollno" : 16, "name" : "Ramesh", "age" : 25, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "BE" }
{ "_id" : ObjectId("5f8eb47c8e95dbdff4401a0ff"), "rollno" : 31, "age" : 50, "branch" : "Civil", "college" : { "name" : "New College", "city" : "Pune" }, "name" : "New Person", "year" : "FE" }
>
>
> db.student.remove({'rollno':31});
WriteResult({ "nRemoved" : 1 })
> db.student.find().count();
16
> db.student.remove({'or':{'college.name':'VJTI'},{'year':'BE'}});
WriteResult({ "nRemoved" : 5 })
> db.student.find().count();
11
> db.student.find();
{ "_id" : ObjectId("5f8ea879da82a25a952569b3"), "rollno" : 1, "name" : "Pradyumna", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
{ "_id" : ObjectId("5f8eaad8da82a25a952569b4"), "rollno" : 2, "name" : "Shubham", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "SE" }
{ "_id" : ObjectId("5f8eaaeada82a25a952569b5"), "rollno" : 2, "name" : "Sangat", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Computer", "year" : "TE" }
{ "_id" : ObjectId("5f8ead2ada82a25a952569b8"), "rollno" : 5, "name" : "Vinay", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "IT", "year" : "SE" }
{ "_id" : ObjectId("5f8ead37da82a25a952569b9"), "rollno" : 6, "name" : "Mark", "age" : 21, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
{ "_id" : ObjectId("5f8ead56da82a25a952569bc"), "rollno" : 10, "name" : "Joe", "age" : 21, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "TE" }
{ "_id" : ObjectId("5f8ead5fda82a25a952569bd"), "rollno" : 11, "name" : "Steve", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead65da82a25a952569be"), "rollno" : 12, "name" : "Ben", "age" : 19, "college" : { "name" : "COEP", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead73da82a25a952569bf"), "rollno" : 13, "name" : "Henry", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "Mechanical", "year" : "SE" }
{ "_id" : ObjectId("5f8ead85da82a25a952569c0"), "rollno" : 14, "name" : "Prathamesh", "age" : 19, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "SE" }
{ "_id" : ObjectId("5f8ead8cda82a25a952569c1"), "rollno" : 15, "name" : "Ram", "age" : 20, "college" : { "name" : "PICT", "city" : "Pune" }, "branch" : "ENTC", "year" : "TE" }
>
> db.student.remove({'age':19,'rollno':1});
WriteResult({ "nRemoved" : 0 })
>
```

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