

```
test> use college
```

```
switched to db college
```

```
college> db.create
```

```
db.createUser          db.createCollection    db.createEncryptedCollection  db.createView
```

```
db.createRole
```

```
college> db.createCollection("Students")
```

```
{ ok: 1 }
```

```
college> db.Students.insert()
```

```
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
```

```
MongoshInvalidInputError: [COMMON-10001] Missing required argument at position 0  
(Collection.insert)
```

```
college> db.Students.insert({name:"Shantanu Rajmane",year:"3rd Year",branch:"IT"})
```

```
{  
  acknowledged: true,  
  insertedIds: { '0': ObjectId("6539e5842b93befe28d54c98") }  
}
```

```
college> db.Students.find()
```

```
[  
  {  
    _id: ObjectId("6539e5842b93befe28d54c98"),  
    name: 'Shantanu Rajmane',  
    year: '3rd Year',  
    branch: 'IT'  
  }  
]
```

```
college> db.Students.insertMany([{name:"Sumit",year:"3rd  
Year",branch:"COMP"},{name:"Prathmesh",year:"3rd  
Year",branch:"COMP"},{name:"Sahil",year:"3rd",branch:"COMP"}])
```

```
{  
  acknowledged: true,  
  insertedIds: {
```

```
'0': ObjectId("6539e6052b93befe28d54c99"),
'1': ObjectId("6539e6052b93befe28d54c9a"),
'2': ObjectId("6539e6052b93befe28d54c9b")
}
}
college> db.Students.find()
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP'
  }
]
```

```
]
```

```
college> db.St
```

```
db.stats db.Students
```

```
college> db.Students.update({},{$set:{YOP:""}},{multi:true})
```

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

```
{
```

```
  acknowledged: true,
```

```
  insertedId: null,
```

```
  matchedCount: 4,
```

```
  modifiedCount: 4,
```

```
  upsertedCount: 0
```

```
}
```

```
college> db.Students.find()
```

```
[
```

```
{
```

```
  _id: ObjectId("6539e5842b93befe28d54c98"),
```

```
  name: 'Shantanu Rajmane',
```

```
  year: '3rd Year',
```

```
  branch: 'IT',
```

```
  YOP: "
```

```
},
```

```
{
```

```
  _id: ObjectId("6539e6052b93befe28d54c99"),
```

```
  name: 'Sumit',
```

```
  year: '3rd Year',
```

```
  branch: 'COMP',
```

```
  YOP: "
```

```
},
```

```
{
```

```
  _id: ObjectId("6539e6052b93befe28d54c9a"),
```

```

    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    YOP: ""
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    YOP: ""
  }
]
college> db.Students.update({},{$set:{YOP:Date()}},{multi:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 4,
  modifiedCount: 4,
  upsertedCount: 0
}
college> db.Students.find()
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    YOP: 'Thu Oct 26 2023 09:43:31 GMT+0530 (India Standard Time)'
  },
  {

```

```

    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    YOP: 'Thu Oct 26 2023 09:43:31 GMT+0530 (India Standard Time)'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    YOP: 'Thu Oct 26 2023 09:43:31 GMT+0530 (India Standard Time)'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    YOP: 'Thu Oct 26 2023 09:43:31 GMT+0530 (India Standard Time)'
  }
]
college> db.Students.update({},{$set:{YOP:new Date()}},{multi:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 4,
  modifiedCount: 4,
  upsertedCount: 0
}
college> db.Students.find()
[

```

```

{
  _id: ObjectId("6539e5842b93befe28d54c98"),
  name: 'Shantanu Rajmane',
  year: '3rd Year',
  branch: 'IT',
  YOP: ISODate("2023-10-26T04:13:55.245Z")
},
{
  _id: ObjectId("6539e6052b93befe28d54c99"),
  name: 'Sumit',
  year: '3rd Year',
  branch: 'COMP',
  YOP: ISODate("2023-10-26T04:13:55.245Z")
},
{
  _id: ObjectId("6539e6052b93befe28d54c9a"),
  name: 'Prathmesh',
  year: '3rd Year',
  branch: 'COMP',
  YOP: ISODate("2023-10-26T04:13:55.245Z")
},
{
  _id: ObjectId("6539e6052b93befe28d54c9b"),
  name: 'Sahil',
  year: '3rd',
  branch: 'COMP',
  YOP: ISODate("2023-10-26T04:13:55.245Z")
}
]
college> db.Students.update({},{$set:{YOP:Date()}},{multi:true})
{

```

```
    acknowledged: true,
    insertedId: null,
    matchedCount: 4,
    modifiedCount: 4,
    upsertedCount: 0
  }
college> db.Students.find()
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    YOP: 'Thu Oct 26 2023 09:44:20 GMT+0530 (India Standard Time)'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    YOP: 'Thu Oct 26 2023 09:44:20 GMT+0530 (India Standard Time)'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    YOP: 'Thu Oct 26 2023 09:44:20 GMT+0530 (India Standard Time)'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
```

```
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    YOP: 'Thu Oct 26 2023 09:44:20 GMT+0530 (India Standard Time)'
  }
]
```

```
college> db.Students.update({},{$unset:{YOP}},{multi:true})
```

ReferenceError: YOP is not defined

```
college> db.Students.update({},{$unset:{YOP:Date()}},{multi:true})
```

```
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 4,
  modifiedCount: 4,
  upsertedCount: 0
}
```

```
college> db.Students.find()
```

```
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP'
  },
  {

```



```

    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP'
  }
]
college> db.Students.find({}, {branch: "IT"})
[
  { _id: ObjectId("6539e5842b93befe28d54c98"), branch: 'IT' },
  { _id: ObjectId("6539e6052b93befe28d54c99"), branch: 'IT' },
  { _id: ObjectId("6539e6052b93befe28d54c9a"), branch: 'IT' },
  { _id: ObjectId("6539e6052b93befe28d54c9b"), branch: 'IT' }
]
college> db.Students.find()
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',

```

```

    branch: 'COMP'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP'
  }
]
college> db.Students.find({}, {branch: "IT"})
[
  { _id: ObjectId("6539e5842b93befe28d54c98"), branch: 'IT' },
  { _id: ObjectId("6539e6052b93befe28d54c99"), branch: 'IT' },
  { _id: ObjectId("6539e6052b93befe28d54c9a"), branch: 'IT' },
  { _id: ObjectId("6539e6052b93befe28d54c9b"), branch: 'IT' }
]
college> db.Students.find({}, {branch: 1})
[
  { _id: ObjectId("6539e5842b93befe28d54c98"), branch: 'IT' },
  { _id: ObjectId("6539e6052b93befe28d54c99"), branch: 'COMP' },
  { _id: ObjectId("6539e6052b93befe28d54c9a"), branch: 'COMP' },
  { _id: ObjectId("6539e6052b93befe28d54c9b"), branch: 'COMP' }
]
college> db.Students.find({branch: "IT"})
[

```

```

{
  _id: ObjectId("6539e5842b93befe28d54c98"),
  name: 'Shantanu Rajmane',
  year: '3rd Year',
  branch: 'IT'
}
]
college> db.Students.find($or:[{branch:"IT"},{branch:"COMP"}])

```

Uncaught:

SyntaxError: Unexpected token, expected ", " (1:20)

```

> 1 | db.Students.find($or:[{branch:"IT"},{branch:"COMP"}])
    |           ^
2 |

```

```

college> db.Students.find({$or:[{branch:"IT"},{branch:"COMP"}]})
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),

```

```

    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP'
  }
]
college> db.Students.find({$or:[{branch:"IT"},{name:"Shantanu Rajmane"}]})
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT'
  }
]
college> db.Students.find({$or:[{branch:"IT"},{name:"Sumit"}]})
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT'
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',

```

```

    year: '3rd Year',
    branch: 'COMP'
  }
]
college> db.Students.update({},{$set:{SGPA:Number()}},{multi:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 4,
  modifiedCount: 4,
  upsertedCount: 0
}
college> db.Students.find({$or:[{branch:"IT"},{name:"Sumit"}]})
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 0
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 0
  }
]
college> db.Students.update({SGPA:0},{$set:{SGPA:9.8}},{multi:true})
Uncaught:

```

SyntaxError: Unexpected token, expected "," (1:58)

```
> 1 | db.Students.update({SGPA:0},{set:{SGPA:9.8}},{multi:true})
```

```
    |                                     ^
```

```
2 |
```

```
college> db.Students.update({SGPA:0},{set:{SGPA:9.8}},{multi:true})
```

```
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 4,
  modifiedCount: 4,
  upsertedCount: 0
}
```

```
college> db.Students.find()
```

```
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  },
  {

```

```
_id: ObjectId("6539e6052b93befe28d54c9a"),
name: 'Prathmesh',
year: '3rd Year',
branch: 'COMP',
SGPA: 9.8
},
{
  _id: ObjectId("6539e6052b93befe28d54c9b"),
  name: 'Sahil',
  year: '3rd',
  branch: 'COMP',
  SGPA: 9.8
}
]
college> db.Students.find({SGPA:{$gt:9.0}})
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  },
  {
```

```
_id: ObjectId("6539e6052b93befe28d54c9a"),
name: 'Prathmesh',
year: '3rd Year',
branch: 'COMP',
SGPA: 9.8
},
{
  _id: ObjectId("6539e6052b93befe28d54c9b"),
  name: 'Sahil',
  year: '3rd',
  branch: 'COMP',
  SGPA: 9.8
}
]
college> db.Students.find({name: "/u/"})
```

```
college> db.Students.find({name: /u/})
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  }
]
```



```
}  
]  
college> db.Students.find({name:{$regex:/I$/}})  
[  
  {  
    _id: ObjectId("6539e6052b93befe28d54c9b"),  
    name: 'Sahil',  
    year: '3rd',  
    branch: 'COMP',  
    SGPA: 9.8  
  }  
]  
college> db.Students.find({name:{$regex:/S/}})
```

```
college> db.Students.find({name:{$regex:/^S/}})
```

```
college> db.Students.find({name:{$regex:/^S/}})  
[  
  {  
    _id: ObjectId("6539e5842b93befe28d54c98"),  
    name: 'Shantanu Rajmane',  
    year: '3rd Year',  
    branch: 'IT',  
    SGPA: 9.8  
  },  
  {  
    _id: ObjectId("6539e6052b93befe28d54c99"),  
    name: 'Sumit',  
    year: '3rd Year',  
    branch: 'COMP',  
    SGPA: 9.8  
  }  
]
```

```
},
{
  _id: ObjectId("6539e6052b93befe28d54c9b"),
  name: 'Sahil',
  year: '3rd',
  branch: 'COMP',
  SGPA: 9.8
}
]
```

```
college> db.Students.find().sort({name})
```

ReferenceError: name is not defined

```
college> db.Students.find().sort({SGPA:1})
```

```
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
```

```
branch: 'COMP',
SGPA: 9.8
},
{
  _id: ObjectId("6539e6052b93befe28d54c9b"),
  name: 'Sahil',
  year: '3rd',
  branch: 'COMP',
  SGPA: 9.8
}
]
```

```
college> db.Students.find().sort({name:1})
```

```
[
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
  }
]
```

```

    branch: 'IT',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  }
]

college> db.Students.find().sort({name:2})
MongoInvalidArgumentError: Invalid sort direction: 2

college> db.Students.find().sort({name:0})
MongoInvalidArgumentError: Invalid sort direction: 0

college> db.Students.find().sort({name:1})
[
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    SGPA: 9.8
  },

```

```
{
  _id: ObjectId("6539e5842b93befe28d54c98"),
  name: 'Shantanu Rajmane',
  year: '3rd Year',
  branch: 'IT',
  SGPA: 9.8
},
{
  _id: ObjectId("6539e6052b93befe28d54c99"),
  name: 'Sumit',
  year: '3rd Year',
  branch: 'COMP',
  SGPA: 9.8
}
]
college> db.Students.find().sort({name:-1})
[
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 9.8
  },
]
```

```
{
  _id: ObjectId("6539e6052b93befe28d54c9b"),
  name: 'Sahil',
  year: '3rd',
  branch: 'COMP',
  SGPA: 9.8
},
{
  _id: ObjectId("6539e6052b93befe28d54c9a"),
  name: 'Prathmesh',
  year: '3rd Year',
  branch: 'COMP',
  SGPA: 9.8
}
]
college> db.Students.find().sort({name:1})
[
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    SGPA: 9.8
  },
]
```

```

{
  _id: ObjectId("6539e5842b93befe28d54c98"),
  name: 'Shantanu Rajmane',
  year: '3rd Year',
  branch: 'IT',
  SGPA: 9.8
},
{
  _id: ObjectId("6539e6052b93befe28d54c99"),
  name: 'Sumit',
  year: '3rd Year',
  branch: 'COMP',
  SGPA: 9.8
}
]
college> db.Students.find().count()
4
college> db.Students.update({},{$set:{Regno:null}},{multi:true})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 4,
  modifiedCount: 4,
  upsertedCount: 0
}
college> db.Students.find()
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',

```

```
    branch: 'IT',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  }
]
college> db.Students.find({name:["Sumit","Sahil"]})
```



```
college> db.Students.find({name:"Sumit","Sahil"})
```

Uncaught:

SyntaxError: Unexpected token (1:38)

```
> 1 | db.Students.find({name:"Sumit","Sahil"})
```

```
|           ^
```

```
2 |
```

```
college> db.Students.find({name:{"Sumit","Sahil"}})
```

Uncaught:

SyntaxError: Unexpected token (1:31)

```
> 1 | db.Students.find({name:{"Sumit","Sahil"}})
```

```
|           ^
```

```
2 |
```

```
college> db.Students.find({name:["Sumit","Sahil"]})
```

```
college> db.Students.find({$or:{name:["Sumit","Sahil"]}})
```

MongoServerError: \$or must be an array

```
college> db.Students.find({$or:[{name:["Sumit","Sahil"]}]}))
```

```
college> db.Students.find(Regno:null)
```

Uncaught:

SyntaxError: Unexpected token, expected ",", (1:22)

```
> 1 | db.Students.find(Regno:null)
```

```
|           ^
```

```
2 |
```

```
college> db.Students.find({Regno:null})
```

```
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    SGPA: 9.8,
```

```
    Regno: null
  }
]
college> db.Students.find({Regno:{$ne:null}})
```

```
college> db.Students.find({$where: function() { return (this.branch == "COMP")}})
[
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
    year: '3rd',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  }
]
```

```
]
```

```
college> db.Students.find({$where: function() { return (this.branch == "COMP")}}).pretty()
```

```
[
```

```
{
```

```
  _id: ObjectId("6539e6052b93befe28d54c99"),
```

```
  name: 'Sumit',
```

```
  year: '3rd Year',
```

```
  branch: 'COMP',
```

```
  SGPA: 9.8,
```

```
  Regno: null
```

```
},
```

```
{
```

```
  _id: ObjectId("6539e6052b93befe28d54c9a"),
```

```
  name: 'Prathmesh',
```

```
  year: '3rd Year',
```

```
  branch: 'COMP',
```

```
  SGPA: 9.8,
```

```
  Regno: null
```

```
},
```

```
{
```

```
  _id: ObjectId("6539e6052b93befe28d54c9b"),
```

```
  name: 'Sahil',
```

```
  year: '3rd',
```

```
  branch: 'COMP',
```

```
  SGPA: 9.8,
```

```
  Regno: null
```

```
}
```

```
]
```

```
college> var cur1 = db.Students.find()
```

```
college> while(cur1.hasNext()){print(tojson(cur1.next()))}
```

ReferenceError: tojson is not defined (Are you trying to run a script written for the legacy shell? Try running `snippet install mongocompat`)

college> cur1

```
[
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e6052b93befe28d54c9b"),
    name: 'Sahil',
```

```
    year: '3rd',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  }
]
college> while(cur1.hasNext()){}
```

```
college> while(cur1.hasNext()){print(tojson(cur1.next()));}
```

```
college> while(cur1.hasNext()){print(tojson(cur1.next()));}
```

```
college> var cur1 = db.Students.find()
```

```
college> while(cur1.hasNext()){print(tojson(cur1.next()));}
```

ReferenceError: tojson is not defined (Are you trying to run a script written for the legacy shell? Try running `snippet install mongocompat`)

```
college> while(cur1.hasNext()){print(tojson(cur1.next()))}
```

ReferenceError: tojson is not defined (Are you trying to run a script written for the legacy shell? Try running `snippet install mongocompat`)

```
college> while(cur1.hasNext()){print(tojson(cur1.next()));}
```

ReferenceError: tojson is not defined (Are you trying to run a script written for the legacy shell? Try running `snippet install mongocompat`)

```
college> cur1.forEach(printjson)
```

MongoCursorExhaustedError: Cursor is exhausted

```
college> var cur1 = db.Students.find()
```

```
college> cur1.forEach(printjson)
```

```
{
  _id: ObjectId("6539e5842b93befe28d54c98"),
  name: 'Shantanu Rajmane',
  year: '3rd Year',
```

```
branch: 'IT',
SGPA: 9.8,
Regno: null
}
{
  _id: ObjectId("6539e6052b93befe28d54c99"),
  name: 'Sumit',
  year: '3rd Year',
  branch: 'COMP',
  SGPA: 9.8,
  Regno: null
}
{
  _id: ObjectId("6539e6052b93befe28d54c9a"),
  name: 'Prathmesh',
  year: '3rd Year',
  branch: 'COMP',
  SGPA: 9.8,
  Regno: null
}
{
  _id: ObjectId("6539e6052b93befe28d54c9b"),
  name: 'Sahil',
  year: '3rd',
  branch: 'COMP',
  SGPA: 9.8,
  Regno: null
}
```

```
college> var cur1 = db.Students.find()
```

```
college> cur1.toArray()
```

MongoCursorExhaustedError: Cursor is exhausted

```
college> var cur1 = db.Students.find()
```

```
college> var doc = cur1.toArray()
```

```
college> doc[0]
```

```
{
  _id: ObjectId("6539e5842b93befe28d54c98"),
  name: 'Shantanu Rajmane',
  year: '3rd Year',
  branch: 'IT',
  SGPA: 9.8,
  Regno: null
}
```

```
college> doc[1]
```

```
{
  _id: ObjectId("6539e6052b93befe28d54c99"),
  name: 'Sumit',
  year: '3rd Year',
  branch: 'COMP',
  SGPA: 9.8,
  Regno: null
}
```

```
college> doc.limit(2)
```

TypeError: doc.limit is not a function

```
college> var cur1 = db.Students.find()
```

```
college> cur1.limit(2)
```

```
[
```



```

{
  _id: ObjectId("6539e5842b93befe28d54c98"),
  name: 'Shantanu Rajmane',
  year: '3rd Year',
  branch: 'IT',
  SGPA: 9.8,
  Regno: null
},
{
  _id: ObjectId("6539e6052b93befe28d54c99"),
  name: 'Sumit',
  year: '3rd Year',
  branch: 'COMP',
  SGPA: 9.8,
  Regno: null
}
]
college> cur1.skip(2)
MongoCursorInUseError: Cursor is already initialized
college> var cur1 = db.Students.find()

college> cur1.skip(2)
[
  {
    _id: ObjectId("6539e6052b93befe28d54c9a"),
    name: 'Prathmesh',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },

```

```
{
  _id: ObjectId("6539e6052b93befe28d54c9b"),
  name: 'Sahil',
  year: '3rd',
  branch: 'COMP',
  SGPA: 9.8,
  Regno: null
}
]
college> cur1.sort({name:-1})
MongoCursorInUseError: Cursor is already initialized
college> var cur1 = db.Students.find()
```

```
college> cur1.sort({name:-1})
```

```
[
  {
    _id: ObjectId("6539e6052b93befe28d54c99"),
    name: 'Sumit',
    year: '3rd Year',
    branch: 'COMP',
    SGPA: 9.8,
    Regno: null
  },
  {
    _id: ObjectId("6539e5842b93befe28d54c98"),
    name: 'Shantanu Rajmane',
    year: '3rd Year',
    branch: 'IT',
    SGPA: 9.8,
    Regno: null
  }
]
```

```
},  
{  
  _id: ObjectId("6539e6052b93befe28d54c9b"),  
  name: 'Sahil',  
  year: '3rd',  
  branch: 'COMP',  
  SGPA: 9.8,  
  Regno: null  
},  
{  
  _id: ObjectId("6539e6052b93befe28d54c9a"),  
  name: 'Prathmesh',  
  year: '3rd Year',  
  branch: 'COMP',  
  SGPA: 9.8,  
  Regno: null  
}  
]  
college>
```