

Title: To demonstrate insert, update, delete, select operations in MongoDB

Create A database:

```
test> use bca
switched to db bca
bca>
```

2. Create A Collection

```
bca> db.createCollection("mongodb")
{ ok: 1 }
bca>
```

3. Insert into the collection

There are Two ways to insert the data into the collection

i. insertOne

```
bca> db.mongodb.insertOne([ { name: "john", age: 22, course: "BCA", city: "london" } ])
{
  acknowledged: true,
  insertedId: ObjectId('66df0c648a2e7225b12710bc')
}
bca>
```

ii. insertMany

```
bca> db.mongodb.insertMany([ { name: "jack", age: 26, course: "MCA", city: "pune" }, { name: "marry", age: 27, course: "MBA", city: "mumbai" }, { name: "ramesh", age: 28, course: "BSC", city: "delhi" } ])  
{  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('66df0e228a2e7225b12710bd'),  
    '1': ObjectId('66df0e228a2e7225b12710be'),  
    '2': ObjectId('66df0e228a2e7225b12710bf')  
  }  
}  
bca>
```

4. Update the data that we inserted

There are Two ways to update a data

i. updateOne

```
bca> db.mongodb.updateOne({ name: "jack" }, { $set: { age: 32 } })
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

ii. updateMany

```
bca> db.mongodb.updateMany({ age: 22 }, { $set: { age: 25 } })
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 3,
  modifiedCount: 3,
  upsertedCount: 0
}
bca>
```

5. Select the data

```
bca> db.mongodb.find({ age: 32 })
[
  {
    _id: ObjectId('66df0e228a2e7225b12710bd'),
    name: 'jack',
    age: 32,
    course: 'MCA',
    city: 'pune'
  }
]
bca>
```

6. Delete the data

There are Two ways to delete the data

i. deleteOne

```
bca> db.mongodb.deleteOne({ name: "ramesh" })  
{ acknowledged: true, deletedCount: 1 }  
bca>
```

ii. deleteMany

```
bca> db.mongodb.deleteMany( {} )  
{ acknowledged: true, deletedCount: 6 }  
bca>
```