Practical No. 02

AIM - Practical of Data Collection, Data curation and management for large-scale data systems (such as MongoDB).

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CODE -

```
> db Test
> use cktbook switched to db cktbook
> db cktbook
> show dbs
```

```
Exams 0.000GB
admin 0.000GB
config 0.000GB
exam  0.000GB
local 0.000GB
```

```
> db.cktbook.insert({name:"Zombie", age:20, website:"zombie.com"})
  WriteResult({ “Inserted" : 1 })

> db.cktbook.find()
```

```
{ "_id" : ObjectId("639fe50acd068bdf43eee897"), "name" : "Zombie", "age" : 20,
"website" : "zombie.com" }
```

```
> show collections cktbook
```

```
db.createCollection("student")
{ "ok" : 1 }
db.createCollection("teachers")
{ "ok" : 1 }
```

```
> show collections student teachers cktbook
```

```
> db.teachers.drop() true
> show collections student cktbook
> db.cktbook.insert({name:"Zombie", age:20, email:"admin@cktbook.com",
  course:[{name:"MongoDB", duration:7}, {name:"Java", duration:30}]})
  WriteResult({ "nInserted" : 1 })

> db.cktbook.find()
{ "_id" : ObjectId("639fe50acd068bdf43eee897"), "name" : "Zombie", "age" : 20,
"website" : "beginners.com" }
{ "_id" : ObjectId("639fe6d0cd068bdf43eee898"), "name" : "Zombie", "age" : 20,
"email" : "admin@vighneshbook.com", "course" : [ { "name" : "MongoDB", "duration" : 7
}, { "name" : "Java", "duration" : 30 } ] }


> var beginners =
  ... [{"StudentId" :1001, "StudentName":”Alien”, "age":19},
  ... {"StudentId" :1002, "StudentName":”Zombie”, "age":20},
  ... {"StudentId":1003, "StudentName":"Luffy", "age":20}]

> db.students.insert(beginners);
BulkWriteResult({
"writeErrors" : [ ], "writeConcernErrors" : [ ], "nInserted" : 3,
"nUpserted" : 0,
"nMatched" : 0,
"nModified" : 0,
"nRemoved" : 0,
"upserted" : [ ]
})

> db.students.find()
{ "_id" : ObjectId("639fe8fccd068bdf43eee899"), "StudentId" : 1001, "StudentName" :
"Alien", "age" : 19 }
{ "_id" : ObjectId("639fe8fccd068bdf43eee89a"), "StudentId" : 1002, "StudentName" :
"Zombie", "age" : 20 }
{ "_id" : ObjectId("639fe8fccd068bdf43eee89b"), "StudentId" : 1003, "StudentName" :
"Luffy", "age" : 20 }
```

```
> db.students.find().pretty()
{     "_id" : ObjectId("639fe8fccd068bdf43eee899"), "StudentId" : 1001,
      "StudentName" : "Alien", "age" : 19
}
{     "_id" : ObjectId("639fe8fccd068bdf43eee89a"), "StudentId" : 1002,
      "StudentName" : "Zombie", "age" : 20
}
{     "_id" : ObjectId("639fe8fccd068bdf43eee89b"), "StudentId" : 1003,
      "StudentName" : "Luffy", "age" : 20
}

> db.students.update({"StudentName":"Alien"},{$set:{"StudentName":"Alien1"}},
  {multi:true}) WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.students.find().pretty()
{     "_id" : ObjectId("639fe8fccd068bdf43eee899"), "StudentId" : 1001,
      "StudentName" : "Alien1", "age" : 19
}
{     "_id" : ObjectId("639fe8fccd068bdf43eee89a"), "StudentId" : 1002,
      "StudentName" : "Zombie", "age" : 20
}
{     "_id" : ObjectId("639fe8fccd068bdf43eee89b"), "StudentId" : 1003,
      "StudentName" : "Luffy", "age" : 20
}

> db.students.remove({"studentId":1002})
WriteResult({ "nRemoved" : 1 })

> db.students.find().pretty()
{     "_id" : ObjectId("639fe8fccd068bdf43eee899"),
      "studentId" : 1001,
      "studentName" : "Alien1",
      "age" : 19
}
{
      "_id" : ObjectId("639fe8fccd068bdf43eee89b"), "StudentId" : 1003,
      "StudentName" : "Luffy", "age" : 20
}
```