

گزارش کار با MongoDB

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اوایل زمستان دلربای ۹۸

Create database)

> use DB_LAB

switched to db DB_LAB

> db

DB_LAB

Drop database)

```
> db.dropDatabase()
```

```
{ "ok" : 1 }
```

Create collection)

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

Drop collection)

```
> show collections
```

```
book
```

```
> db.book.drop()
```

```
true
```

```
> show collections
```

Insert)

```
> db.book.insert({  
...   title: 'When Arya Wept',  
...   by: 'Arya pub.',  
...   isbn: 1234,  
...   tags: ['fiction', 'drama']  
... })  
WriteResult({ "nInserted" : 1 })
```

```
> db.book.insert({  
    title: 'MahSa and Romeo',  
    by: 'Mahsa pub.',  
    isbn: 1235,  
    tags: ['play']  
})  
WriteResult({ "nInserted" : 1 })
```

Select)

```
> db.book.find().pretty()
```

```
{
  "_id" : ObjectId("5e0199de011e501703549eb0"),
  "title" : "When Arya Wept",
  "by" : "Arya pub.",
  "isbn" : 1234,
  "tags" : [
    "fiction",
    "drama"
  ]
}
{
  "_id" : ObjectId("5e019a5a011e501703549eb1"),
  "title" : "MahSa and Romeo",
  "by" : "Mahsa pub.",
  "isbn" : 1235,
  "tags" : [
    "play"
  ]
}
```

```
> db.book.find()
```

```
{ "_id" : ObjectId("5e0199de011e501703549eb0"), "title" : "When Arya Wept", "by" : "Arya
pub.", "isbn" : 1234, "tags" : [ "fiction", "drama" ] }
{ "_id" : ObjectId("5e019a5a011e501703549eb1"), "title" : "MahSa and Romeo", "by" :
"Mahsa pub.", "isbn" : 1235, "tags" : [ "play" ] }
```

```
> db.book.find({"title":"MahSa and Romeo"}).pretty()
{
  "_id" : ObjectId("5e019a5a011e501703549eb1"),
  "title" : "MahSa and Romeo",
  "by" : "Mahsa pub.",
  "isbn" : 1235,
  "tags" : [
    "play"
  ]
}
```

```
> db.book.find(
...   {
...     $and: [
...       {"title" : "MahSa and Romeo"}, {"title" : "When Arya Wept"}
...     ]
...   }
... ).pretty()
>
```



```
> db.book.find(
...   {
...     $or: [
...       {"title" : "MahSa and Romeo"}, {"title" : "When Arya Wept"}
...     ]
...   }
... ).pretty()
{
  "_id" : ObjectId("5e0199de011e501703549eb0"),
  "title" : "When Arya Wept",
  "by" : "Arya pub.",
  "isbn" : 1234,
  "tags" : [
    "fiction",
    "drama"
  ]
}
{
  "_id" : ObjectId("5e019a5a011e501703549eb1"),
  "title" : "MahSa and Romeo",
  "by" : "Mahsa pub.",
  "isbn" : 1235,
  "tags" : [
    "play"
  ]
}
```

Update)

```
> db.book.update({'isbn':1234},{ $set:{'isbn':4444}})
```

```
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

```
> db.book.find()
```

```
{ "_id" : ObjectId("5e0199de011e501703549eb0"), "title" : "When Arya Wept", "by" : "Arya  
pub.", "isbn" : 4444, "tags" : [ "fiction", "drama" ] }
```

```
{ "_id" : ObjectId("5e019a5a011e501703549eb1"), "title" : "MahSa and Romeo", "by" :  
"Mahsa pub.", "isbn" : 1235, "tags" : [ "play" ] }
```

```
> db.book.save( { "_id" : ObjectId("5e0199de011e501703549eb0"), "title":"new book"  
})
```

```
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

```
> db.book.find()
```

```
{ "_id" : ObjectId("5e0199de011e501703549eb0"), "title" : "new book" }
```

```
{ "_id" : ObjectId("5e019a5a011e501703549eb1"), "title" : "MahSa and Romeo", "by" :  
"Mahsa pub.", "isbn" : 1235, "tags" : [ "play" ] }
```

Delete)

```
> db.book.remove({'title':'new book'})
```

```
WriteResult({ "nRemoved" : 1 })
```

```
> db.book.find()
```

```
{ "_id" : ObjectId("5e019a5a011e501703549eb1"), "title" : "MahSa and Romeo", "by" :  
"Mahsa pub.", "isbn" : 1235, "tags" : [ "play" ] }
```

```
> db.book.remove({})
```

```
WriteResult({ "nRemoved" : 1 })
```

```
> db.book.find()
```

```
>
```