

## Pt2 - insercions, borrats i modificacions

1. Inseriu un nou usuari a la col·lecció **users** en, com a mínim, els mateixos camps que els actuals, i en **user\_id** *user5*.

### *Insert*

```
> db.users.insert({
...   "user_id" : "user5",
...   "password" : "1a2b3c",
...   "sex" : "Male",
...   "age" : 17,
...   "date_of_join" : "16/10/2010",
...   "education" : "M.C.A.",
...   "profession" : "CONSULTANT",
...   "interest" : "MUSIC",
...   "extra" : {
...     "community_name" : [
...       "MODERN MUSIC",
...       "CLASSICAL MUSIC",
...       "WESTERN MUSIC"
...     ],
...     "community_moder_id" : [
...       "MR. Alex",
...       "MR. Dang",
...       "MR. Haris"
...     ]
...   }
... })
```

### *Consulta*

```
> db.users.find({"user_id": "user5"}).pretty()
{
  "_id" : ObjectId("5cc714cf0937d3d463608088"),
  "user_id" : "user5",
  "password" : "1a2b3c",
  "sex" : "Male",
  "age" : 17,
  "date_of_join" : "16/10/2010",
  "education" : "M.C.A.",
  "profession" : "CONSULTANT",
  "interest" : "MUSIC",
  "extra" : {
    "community_name" : [
      "MODERN MUSIC",
      "CLASSICAL MUSIC",
      "WESTERN MUSIC"
    ],
    "community_moder_id" : [
      "MR. Alex",
      "MR. Dang",
      "MR. Haris"
    ]
  }
}
```

2. Borreu l'anterior usuari de manera que només se borre el primer document trobat, en cas de que n'hi haigues més d'un (tot i això, feu la sentència correcta per a que només complisques el criteri de búsqueda el nou usuari *user5*).

*Consulta*

```
> db.users.remove({"user_id":"user5"})
WriteResult({ "nRemoved" : 1 })
```

*Al hacer un **find** no encuentra nada porque no existe*

```
WriteResult({ "nRemoved" : 1 })
> db.users.find({"user_id":"user5"}).pretty()
>
```

3. Feu una sentència d'actualització que incremente l'edat de tots els usuaris (camp **age**) en 5 anys.

*Registros*

```
> db.users.find({}, {"user_id":1, "sex":1, "age":1}).pretty()
{
  "_id" : ObjectId("528f34fa0fe5e6467e58ae78"),
  "user_id" : "user2",
  "sex" : "Male",
  "age" : 29
}
{
  "_id" : ObjectId("528f35450fe5e6467e58ae79"),
  "user_id" : "user3",
  "sex" : "Female",
  "age" : 24
}
{
  "_id" : ObjectId("528f34950fe5e6467e58ae77"),
  "user_id" : "user1",
  "sex" : "Male",
  "age" : 22
}
{
  "_id" : ObjectId("528f35860fe5e6467e58ae7a"),
  "user_id" : "user4",
  "sex" : "Female",
  "age" : 27
}
>
```

## Consulta

```
> db.users.updateMany({}, {
...   $inc : {age:5}
... })
{ "acknowledged" : true, "matchedCount" : 4, "modifiedCount" : 4 }
```

## Registros luego de la consulta

```
> db.users.find({}, {"user_id":1,"sex":1,"age":1}).pretty()
{
  "_id" : ObjectId("528f34fa0fe5e6467e58ae78"),
  "user_id" : "user2",
  "sex" : "Male",
  "age" : 34
}
{
  "_id" : ObjectId("528f35450fe5e6467e58ae79"),
  "user_id" : "user3",
  "sex" : "Female",
  "age" : 29
}
{
  "_id" : ObjectId("528f34950fe5e6467e58ae77"),
  "user_id" : "user1",
  "sex" : "Male",
  "age" : 27
}
{
  "_id" : ObjectId("528f35860fe5e6467e58ae7a"),
  "user_id" : "user4",
  "sex" : "Female",
  "age" : 32
}
>
```

4. Feu una sentència d'actualització que canvie el sexe del primer usuari *Male* per *Female* (camp **sex**).

#### *Registros*

```
> db.users.find({}, {"user_id":1,"sex":1,"age":1}).pretty()
{
  "_id" : ObjectId("528f34fa0fe5e6467e58ae78"),
  "user_id" : "user2",
  "sex" : "Male",
  "age" : 34
}
{
  "_id" : ObjectId("528f35450fe5e6467e58ae79"),
  "user_id" : "user3",
  "sex" : "Female",
  "age" : 29
}
{
  "_id" : ObjectId("528f34950fe5e6467e58ae77"),
  "user_id" : "user1",
  "sex" : "Male",
  "age" : 27
}
{
  "_id" : ObjectId("528f35860fe5e6467e58ae7a"),
  "user_id" : "user4",
  "sex" : "Female",
  "age" : 32
}
```

#### *Consulta*

```
> db.users.update({"sex":"Male"},{
...   $set : {"sex": "Female"},
...   $currentDate : {"lastModified":true}
... })
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

*Registros luego de la consulta*

```
> db.users.find({}, {"user_id":1,"sex":1,"age":1}).pretty()
{
  "_id" : ObjectId("528f34fa0fe5e6467e58ae78"),
  "user_id" : "user2",
  "sex" : "Female",
  "age" : 34
}
{
  "_id" : ObjectId("528f35450fe5e6467e58ae79"),
  "user_id" : "user3",
  "sex" : "Female",
  "age" : 29
}
{
  "_id" : ObjectId("528f34950fe5e6467e58ae77"),
  "user_id" : "user1",
  "sex" : "Male",
  "age" : 27
}
{
  "_id" : ObjectId("528f35860fe5e6467e58ae7a"),
  "user_id" : "user4",
  "sex" : "Female",
  "age" : 32
}
```

5. Feu una sentència d'actualització que modifiqui la data d'alta a la comunitat (camp **date\_of\_join**) posant la data actual, per als usuaris de la **extra.community\_name** **ATHELATIC** (operador \$currentDate).

*Usuario con "extra.community\_name" = "ATHELATIC"*

```
> db.users.find({"extra.community_name":"ATHELATIC"}, {"user_id":1,"date_of_join":1, "extra.community_name":1}).pretty()
{
  "_id" : ObjectId("528f35860fe5e6467e58ae7a"),
  "user_id" : "user4",
  "date_of_join" : "17/10/2011",
  "extra" : {
    "community_name" : [
      "ATHELATIC",
      "GAMES FAN GYES",
      "FAVOURIT GAMES"
    ]
  }
}
```



### Consulta

```
> db.users.update({"extra.community_name":"ATHELATIC"},{
...   $currentDate : {"date_of_join":true}
... })
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
>
```

### Registros luego de la consulta

```
> db.users.find({"extra.community_name":"ATHELATIC"},{"user_id":1,"date_of_join":1, "extra.community_name":1}).pretty()
{
  "_id" : ObjectId("528f35860fe5e6467e58ae7a"),
  "user_id" : "user4",
  "date_of_join" : ISODate("2019-04-29T16:27:14.512Z"),
  "extra" : {
    "community name" : [
      "ATHELATIC",
      "GAMES FAN GYES",
      "FAVOURIT GAMES"
    ]
  }
}
```

6. Inseriu un nou usuari *user6* (només cal que tingue el camp **user\_id**). Feu una sentència d'actualització que reemplace este nou usuari per un altre document que sigui de l'**user\_id** *user7*, en edat 18 anys (poseu-li un camp anomenat **edat**).

### Insert

```
> db.users.insert({"user_id": "user6"})
WriteResult({ "nInserted" : 1 })
```

### Registros

```
> db.users.find({}, {"user_id":1})
{ "_id" : ObjectId("528f34fa0fe5e6467e58ae78"), "user_id" : "user2" }
{ "_id" : ObjectId("528f35450fe5e6467e58ae79"), "user_id" : "user3" }
{ "_id" : ObjectId("528f34950fe5e6467e58ae77"), "user_id" : "user1" }
{ "_id" : ObjectId("528f35860fe5e6467e58ae7a"), "user_id" : "user4" }
{ "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"), "user_id" : "user6" }
>
```

### Consulta

```
> db.users.update({"user_id":"user6"},{ "user_id":"user7", "edat":"18" })
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

*Registros luego de la consulta*

```
> db.users.find({}, {"user_id":1,"edat":1}).pretty()
{ "_id" : ObjectId("528f34fa0fe5e6467e58ae78"), "user_id" : "user2" }
{ "_id" : ObjectId("528f35450fe5e6467e58ae79"), "user_id" : "user3" }
{ "_id" : ObjectId("528f34950fe5e6467e58ae77"), "user_id" : "user1" }
{ "_id" : ObjectId("528f35860fe5e6467e58ae7a"), "user_id" : "user4" }
{
  "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"),
  "user_id" : "user7",
  "edat" : "18"
}
```

7. Feu una sentència d'actualització que reanomeni el camp **edat** per **age** (operador \$rename) per a l'usuari *user7*.

*Registro*

```
> db.users.find({"user_id":"user7"}, {"user_id":1,"edat":1}).pretty()
{
  "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"),
  "user_id" : "user7",
  "edat" : "18"
}
```

*Consulta*

```
> db.users.update({"user_id":"user7"},{
...   $rename : {"edat" : "age"}
... })
```

*Registros luego de la consulta*

```
> db.users.find({"user_id":"user7"}).pretty()
{
  "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"),
  "user_id" : "user7",
  "age" : "18"
}
```

8. Feu una sentència d'actualització que elimine el camp **password** per a tots els usuaris (operador \$unset).

#### *Registros*

```
> db.users.find({}, {"user_id":1,"password":1}).pretty()
{
  "_id" : ObjectId("528f34fa0fe5e6467e58ae78"),
  "user_id" : "user2",
  "password" : "11aala"
}
{
  "_id" : ObjectId("528f35450fe5e6467e58ae79"),
  "user_id" : "user3",
  "password" : "blcld1"
}
{
  "_id" : ObjectId("528f34950fe5e6467e58ae77"),
  "user_id" : "user1",
  "password" : "1a2b3c"
}
{
  "_id" : ObjectId("528f35860fe5e6467e58ae7a"),
  "user_id" : "user4",
  "password" : "abczyx"
}
{ "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"), "user_id" : "user7" }
```

#### *Consulta*

```
> db.users.updateMany({}, {$unset : {"password":""}})
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 4 }
```

#### *Registros luego de la consulta*

```
> db.users.find({}, {"user_id":1,"password":1}).pretty()
{ "_id" : ObjectId("528f34fa0fe5e6467e58ae78"), "user_id" : "user2" }
{ "_id" : ObjectId("528f35450fe5e6467e58ae79"), "user_id" : "user3" }
{ "_id" : ObjectId("528f34950fe5e6467e58ae77"), "user_id" : "user1" }
{ "_id" : ObjectId("528f35860fe5e6467e58ae7a"), "user_id" : "user4" }
{ "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"), "user_id" : "user7" }
```



9. Feu una sentència d'actualització que pose a 25 anys l'edat (camp **age**) dels usuaris en edat superior a 25 (operador \$min).

*Registros*

```
> db.users.find({}, {"user_id":1,"age":1})
{ "_id" : ObjectId("528f34fa0fe5e6467e58ae78"), "user_id" : "user2", "age" : 26 }
{ "_id" : ObjectId("528f35450fe5e6467e58ae79"), "user_id" : "user3", "age" : 14 }
{ "_id" : ObjectId("528f34950fe5e6467e58ae77"), "user_id" : "user1", "age" : 18 }
{ "_id" : ObjectId("528f35860fe5e6467e58ae7a"), "user_id" : "user4", "age" : 30 }
{ "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"), "user_id" : "user7", "age" : 29 }
```

*Consulta*

```
> db.users.updateMany({}, { $min : {"age":25} })
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 3 }
```

*Registros luego de la consulta*

```
> db.users.find({}, {"user_id":1,"age":1})
{ "_id" : ObjectId("528f34fa0fe5e6467e58ae78"), "user_id" : "user2", "age" : 25 }
{ "_id" : ObjectId("528f35450fe5e6467e58ae79"), "user_id" : "user3", "age" : 14 }
{ "_id" : ObjectId("528f34950fe5e6467e58ae77"), "user_id" : "user1", "age" : 18 }
{ "_id" : ObjectId("528f35860fe5e6467e58ae7a"), "user_id" : "user4", "age" : 25 }
{ "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"), "user_id" : "user7", "age" : 25 }
```

10. Feu una sentència d'actualització que afegisue el camp de tipo array **extra.visits** en valor `[]` (array buit) a tots els usuaris (operador \$set).

*Registros*

```
> db.users.find({}, {"user_id":1,"extra.visits":1})
{ "_id" : ObjectId("528f34fa0fe5e6467e58ae78"), "user_id" : "user2", "extra" : { } }
{ "_id" : ObjectId("528f35450fe5e6467e58ae79"), "user_id" : "user3", "extra" : { } }
{ "_id" : ObjectId("528f34950fe5e6467e58ae77"), "user_id" : "user1", "extra" : { } }
{ "_id" : ObjectId("528f35860fe5e6467e58ae7a"), "user_id" : "user4", "extra" : { } }
{ "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"), "user_id" : "user7", "extra" : { } }
```

### Consulta

```
> db.users.updateMany({},{$set:{"extra.visits":[]}})
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 1 }
>
```

### Registros luego de la consulta

```
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 1 }
> db.users.find({},{"user_id":1,"extra.visits":1})
{ "_id" : ObjectId("528f34fa0fe5e6467e58ae78"), "user_id" : "user2", "extra" : { "visits" : [ ] } }
{ "_id" : ObjectId("528f35450fe5e6467e58ae79"), "user_id" : "user3", "extra" : { "visits" : [ ] } }
{ "_id" : ObjectId("528f34950fe5e6467e58ae77"), "user_id" : "user1", "extra" : { "visits" : [ ] } }
{ "_id" : ObjectId("528f35860fe5e6467e58ae7a"), "user_id" : "user4", "extra" : { "visits" : [ ] } }
{ "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"), "user_id" : "user7", "extra" : { "visits" : [ ] } }
>
```

11. Poseu la data del dia d'avui (pot ser en format "dd/mm/aaaa") com d'última visita per a l'usuari *user7* al camp afegit al punt anterior **extra.visits** (operador \$push).

### Registros

```
> db.users.find({"user_id": "user7"},{"user_id":1,"extra.visits":1})
{ "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"), "user_id" : "user7", "extra" : { "visits" : [ ] } }
>
```

### Consulta

```
> db.users.update({"user_id":"user7"},{$push:{"extra.visits":new Date(2019,05,06) }})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
>
```

### Registros luego de la consulta

```
> db.users.find({"user_id": "user7"},{"user_id":1,"extra.visits":1}).pretty()
{
  "_id" : ObjectId("5cc72ccaa0d4c53f7c74b5d3"),
  "user_id" : "user7",
  "extra" : {
    "visits" : [
      ISODate("2019-05-06T07:19:19.995Z")
    ]
  }
}
>
```

12. Poseu la data d'avui a tots els usuaris de manera que a l'*user7* no se li repetisques la posada anteriorment (operador `$addToSet`).

#### *Registros*

```
> db.users.find({}, {"_id":0,"user_id":1,"extra.visits":1}).pretty()
{ "user_id" : "user1", "extra" : { "visits" : [ ] } }
{ "user_id" : "user3", "extra" : { "visits" : [ ] } }
{ "user_id" : "user4", "extra" : { "visits" : [ ] } }
{ "user_id" : "user2", "extra" : { "visits" : [ ] } }
{
  "user_id" : "user7",
  "extra" : {
    "visits" : [
      ISODate("2019-06-05T22:00:00Z"),
      ISODate("1911-12-09T23:00:00Z")
    ]
  }
}
```

#### *Consulta*

```
> db.users.updateMany({}, {$addToSet:{"extra.visits":new Date(2019,05,06) }})
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 4 }
```

#### *Registros luego de la consulta*

```
> db.users.find({}, {"_id":0,"user_id":1,"extra.visits":1})
{ "user_id" : "user1", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z") ] } }
{ "user_id" : "user3", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z") ] } }
{ "user_id" : "user4", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z") ] } }
{ "user_id" : "user2", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z") ] } }
{ "user_id" : "user7", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z"), ISODate("1911-12-09T23:00:00Z") ] } }
```

13. Afegiu un parell de dates diferents més a tots els usuaris a la posició 0 de l'array de visites **extra.visits** (operador `$push` en modificador `$position` i `$each`).

#### *Registros*

```
> db.users.find({}, {"_id":0,"user_id":1,"extra.visits":1})
{ "user_id" : "user1", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z") ] } }
{ "user_id" : "user3", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z") ] } }
{ "user_id" : "user4", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z") ] } }
{ "user_id" : "user2", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z") ] } }
{ "user_id" : "user7", "extra" : { "visits" : [ ISODate("2019-06-05T22:00:00Z"), ISODate("1911-12-09T23:00:00Z") ] } }
```

### Consulta

```
{ user_id : 'user1', extra : { visits : [ ISODate('2019-06-05T22:00:00Z') ] } }
> db.users.updateMany({}, {
... $push : {
...   "extra.visits":{
...     $each : [new Date(1999,02,14), new Date (1975,03,13)],
...     $position:0
...   }
... }
... }
... }
... )
```

### Registros luego de la consulta

```
db.users.find({}, {"_id":0,"user_id":1,"extra.visits":1}).pretty()
```

```
{
  "user_id" : "user1",
  "extra" : {
    "visits" : [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id" : "user3",
  "extra" : {
    "visits" : [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id" : "user4",
  "extra" : {
    "visits" : [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id" : "user2",
  "extra" : {
    "visits" : [
      ISODate("1999-03-13T23:00:00Z"),

```

```

        ISODate("1975-04-12T22:00:00Z"),
        ISODate("2019-06-05T22:00:00Z")
    ]
}
}
{
    "user_id": "user7",
    "extra": {
        "visits": [
            ISODate("1999-03-13T23:00:00Z"),
            ISODate("1975-04-12T22:00:00Z"),
            ISODate("2019-06-05T22:00:00Z"),
            ISODate("1911-12-09T23:00:00Z")
        ]
    }
}

```

14. Elimineu la darrera data afegida a l'usuari *user7* (operador \$pop). Feu el mateix en la primera data de l'usuari *user7*.

#### Registros

```

> db.users.find({"user_id":"user7"}, {"_id":0}).pretty()
{
  "user_id" : "user7",
  "age" : 18,
  "extra" : {
    "visits" : [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z"),
      ISODate("1911-12-09T23:00:00Z")
    ]
  }
}
>

```

#### Consulta

```

> db.users.update({"user_id":"user7"}, {$pop : {"extra.visits" : -1}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
>

```



*Registro luego de la consulta*

```
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 0 })
> db.users.find({"user_id":"user7"}, {"_id":0}).pretty()
{
  "user_id" : "user7",
  "age" : 18,
  "extra" : {
    "visits" : [
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z"),
      ISODate("1911-12-09T23:00:00Z")
    ]
  }
}
```

*Consulta*

```
}
> db.users.update({"user_id":"user7"},{$pop :{"extra.visits":1}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
>
```

*Registro luego de la consulta*

```
>
> db.users.find({"user_id":"user7"}, {"_id":0}).pretty()
{
  "user_id" : "user7",
  "age" : 18,
  "extra" : {
    "visits" : [
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
```

15. Elimineu de tots els usuaris la primera de les dates introduïdes anteriorment (busqueu-la directament pel seu valor) al camp **extra.visits** (operador \$pull).

### *Registros*

```
db.users.find({},{"_id":0,"user_id":1,"extra.visits":1}).pretty()
```

```
{
  "user_id": "user1",
  "extra": {
    "visits": [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id": "user3",
  "extra": {
    "visits": [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id": "user4",
  "extra": {
    "visits": [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id": "user2",
  "extra": {
    "visits": [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id": "user7",
  "extra": {
    "visits": [
      ISODate("1975-04-12T22:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
```

```
    ]  
  }  
}
```

### Consulta

```
db.users.update(  
  {},  
  {$pull : { "extra.visits" : ISODate("1975-04-12T22:00:00Z")}},  
  {multi : true}  
)
```

```
> db.users.update( {}, {$pull : { "extra.visits" : ISODate("1975-04-12T22:00:00Z")}}, {multi : true} )  
WriteResult({ "nMatched" : 5, "nUpserted" : 0, "nModified" : 5 })
```

### Registros luego de la consulta

```
db.users.find({}, {"_id":0,"user_id":1,"extra.visits":1}).pretty()
```

```
{  
  "user_id" : "user1",  
  "extra" : {  
    "visits" : [  
      ISODate("1999-03-13T23:00:00Z"),  
      ISODate("2019-06-05T22:00:00Z")  
    ]  
  }  
}  
{  
  "user_id" : "user3",  
  "extra" : {  
    "visits" : [  
      ISODate("1999-03-13T23:00:00Z"),  
      ISODate("2019-06-05T22:00:00Z")  
    ]  
  }  
}  
{  
  "user_id" : "user4",  
  "extra" : {  
    "visits" : [  
      ISODate("1999-03-13T23:00:00Z"),  
      ISODate("2019-06-05T22:00:00Z")  
    ]  
  }  
}  
{  
  "user_id" : "user2",  
  "extra" : {  
    "visits" : [  
      ISODate("1999-03-13T23:00:00Z"),  
      ISODate("2019-06-05T22:00:00Z")  
    ]  
  }  
}
```

```

    ]
  }
}
{
  "user_id": "user7",
  "extra": {
    "visits": [
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}

```

16. Substitueix una de les dates de les visites per la data actual (\$currentDate) a tots els usuaris (operador \$).

### *Registros*

```
db.users.find({}, {"_id":0,"user_id":1,"extra.visits":1}).pretty()
```

```

{
  "user_id": "user1",
  "extra": {
    "visits": [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id": "user3",
  "extra": {
    "visits": [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id": "user4",
  "extra": {
    "visits": [
      ISODate("1999-03-13T23:00:00Z"),
      ISODate("2019-06-05T22:00:00Z")
    ]
  }
}
{
  "user_id": "user2",
  "extra": {
    "visits": [

```

```

        ISODate("1999-03-13T23:00:00Z"),
        ISODate("2019-06-05T22:00:00Z")
    ]
}
}
{
    "user_id": "user7",
    "extra": {
        "visits": [
            ISODate("2019-06-05T22:00:00Z")
        ]
    }
}
}

```

### Consulta

```

>
> db.users.updateMany( {}, { $currentDate : {"extra.visits.$[]": true}} )
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 5 }
>

```

### Registros luego de la consulta

```
db.users.find({}, {"_id":0,"user_id":1,"extra.visits":1}).pretty()
```

```

{
  "user_id": "user1",
  "extra": {
    "visits": [
      ISODate("2019-05-06T08:40:08.373Z"),
      ISODate("2019-05-06T08:40:08.373Z")
    ]
  }
}
{
  "user_id": "user3",
  "extra": {
    "visits": [
      ISODate("2019-05-06T08:40:08.373Z"),
      ISODate("2019-05-06T08:40:08.373Z")
    ]
  }
}
{
  "user_id": "user4",
  "extra": {
    "visits": [
      ISODate("2019-05-06T08:40:08.373Z"),

```



```
ISODate("2019-05-06T08:40:08.373Z")
    ]
    }
}
{
    "user_id": "user2",
    "extra": {
        "visits": [
            ISODate("2019-05-06T08:40:08.373Z"),
            ISODate("2019-05-06T08:40:08.373Z")
        ]
    }
}
{
    "user_id": "user7",
    "extra": {
        "visits": [
            ISODate("2019-05-06T08:40:08.373Z")
        ]
    }
}
```