

1. Cree una base de datos llamada 'my_first_db'.

```
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
my_first_db 0.000GB
>
```

2. Crear colección de estudiantes.

```
> use my_first_db
> show collections
students
>
```

3. Cada documento que inserte en esta colección debe tener el siguiente formato:({name: STRING, home_state: STRING, lucky_number: NUMBER, birthday: {month: NUMBER, day: NUMBER, year: NUMBER}})
4. Crea 5 estudiantes con la información adecuada.

```
{name: "Lucas", home_state: "San Jose Dojo", lucky_number: 2, birthday:
{month: 1, day: 25, year: 1986}}
{name: "Marcos", home_state: "Seattle Dojo", lucky_number: 5, birthday:
{month: 5, day: 15, year: 1985}}
{name: "Santiago", home_state: "Mountain View Dojo", lucky_number: 7,
birthday: {month: 11, day: 11, year: 1987}}
{name: "Pedro", home_state: "Seattle Dojo", lucky_number: 9, birthday: {month:
6, day: 24, year: 1986}}
{name: "Juan", home_state: "UDLA Dojo", lucky_number: 3, birthday: {month: 3,
day: 8, year: 1988}}
```

```

> db.students.find({})
{ "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"), "name" : "Lucas", "home_state" : "San Jose Dojo", "lucky_number" : 2, "birthday" : { "month" : 1, "day" : 25, "year" : 1986 } }
{ "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"), "name" : "Marcos", "home_state" : "Seattle Dojo", "lucky_number" : 5, "birthday" : { "month" : 5, "day" : 15, "year" : 1985 } }
{ "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"), "name" : "Santiago", "home_state" : "Mountain View Dojo", "lucky_number" : 7, "birthday" : { "month" : 11, "day" : 11, "year" : 1987 } }
{ "_id" : ObjectId("6268ab9a9cc8f5d9d3b6fe8"), "name" : "Pedro", "home_state" : "Seattle Dojo", "lucky_number" : 9, "birthday" : { "month" : 6, "day" : 24, "year" : 1986 } }
{ "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"), "name" : "Juan", "home_state" : "UOLA Dojo", "lucky_number" : 3, "birthday" : { "month" : 3, "day" : 8, "year" : 1988 } }
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),
  "name" : "Lucas",
  "home_state" : "San Jose Dojo",
  "lucky_number" : 2,
  "birthday" : {
    "month" : 1,
    "day" : 25,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  }
}
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  }
}
{
  "_id" : ObjectId("6268ab9a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UOLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  }
}
}

```

5. Consigue todos los estudiantes.

Consulta: `db.students.find({}).pretty()`

```
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),
  "name" : "Lucas",
  "home_state" : "San Jose Dojo",
  "lucky_number" : 2,
  "birthday" : {
    "month" : 1,
    "day" : 25,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  }
}
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  }
}
{
  "_id" : ObjectId("6268aba1a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  }
}
>
```

6. Recupera a todos los estudiantes que son de California (San Jose Dojo) o Washington (Seattle Dojo).

Consulta: `db.students.find({home_state: {$in: ["San Jose Dojo", "Seattle Dojo"]}}).pretty()`

```
> db.students.find({home_state: {$in: ["San Jose Dojo", "Seattle Dojo"]}}).pretty()
{
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),
  "name" : "Lucas",
  "home_state" : "San Jose Dojo",
  "lucky_number" : 2,
  "birthday" : {
    "month" : 1,
    "day" : 25,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  }
}
{
  "_id" : ObjectId("6268aba1a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  }
}
```

7. Obten todos los estudiantes cuyo número de la suerte sea mayor que 3

Consulta: `db.students.find({lucky_number: {$gt: 3}}).pretty()`

```

> db.students.find({lucky_number: {$gt: 3}}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  }
}
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  }
}
{
  "_id" : ObjectId("6268aba1a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  }
}

```

8. Obten todos los estudiantes cuyo número de la suerte sea menor o igual a 10

Consulta: `db.students.find({lucky_number: {$lte: 10}}).pretty()`

```

> db.students.find({lucky_number: {$lte: 10}}).pretty()
{
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),
  "name" : "Lucas",
  "home_state" : "San Jose Dojo",
  "lucky_number" : 2,
  "birthday" : {
    "month" : 1,
    "day" : 25,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  }
}
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  }
}
{
  "_id" : ObjectId("6268aba1a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  }
}

```

9. Obten todos los estudiantes cuyo número de la suerte esté entre 1 y 9 (inclusive)

Consulta: `db.students.find({ $and: [{ lucky_number: { $gt: 1 } }, { lucky_number: { $lte: 9 } }] }).pretty()`

```
> db.students.find({ $and: [ { lucky_number: { $gt: 1 } }, { lucky_number: { $lte: 9 } } ] }).pretty()
{
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),
  "name" : "Lucas",
  "home_state" : "San Jose Dojo",
  "lucky_number" : 2,
  "birthday" : {
    "month" : 1,
    "day" : 25,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  }
}
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  }
}
{
  "_id" : ObjectId("6268aba1a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  }
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  }
}
>
```

10. Agrega un campo a cada colección de estudiantes llamado 'intereses' que es un ARRAY. Debe contener las siguientes entradas: 'codificación', 'brunch', 'MongoDB'. Haz esto en UNA operación.

Consulta: `db.students.updateMany({}, {$set: {interests: ["coding", "brunch", "MongoDB"]}})`

```

> db.students.updateMany({}, {$set: {interests: ["coding", "brunch", "MongoDB"]}})
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 5 }
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),
  "name" : "Lucas",
  "home_state" : "San Jose Dojo",
  "lucky_number" : 2,
  "birthday" : {
    "month" : 1,
    "day" : 25,
    "year" : 1986
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB"
  ]
}
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB"
  ]
}
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB"
  ]
}
{
  "_id" : ObjectId("6268aba1a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  },
  "interests" : [
    "coding",

```


11. Agrega algunos intereses únicos para cada estudiante en particular en cada una de sus matrices de intereses.

```
db.students.update({name: "Lucas"}, {$push: {interests: { $each: ["react",  
"express"] }}}}  
db.students.find({name: "Lucas"}).pretty()
```

```
> db.students.update({name: "Lucas"}, {$push: {interests: { $each: ["react", "express"] }}})  
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })  
> db.students.find({name: "Lucas"}).pretty()  
{  
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),  
  "name" : "Lucas",  
  "home_state" : "San Jose Dojo",  
  "lucky_number" : 2,  
  "birthday" : {  
    "month" : 1,  
    "day" : 25,  
    "year" : 1986  
  },  
  "interests" : [  
    "coding",  
    "brunch",  
    "MongoDB",  
    "react",  
    "express"  
  ]  
}
```

```
db.students.update({name: "Marcos"}, {$push: {interests: { $each: [".net", "iis"]  
}}})  
db.students.find({name: "Marcos"}).pretty()
```

```
> db.students.update({name: "Marcos"}, {$push: {interests: { $each: [".net", "iis"] }}})  
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })  
> db.students.find({name: "Marcos"}).pretty()  
{  
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),  
  "name" : "Marcos",  
  "home_state" : "Seattle Dojo",  
  "lucky_number" : 5,  
  "birthday" : {  
    "month" : 5,  
    "day" : 15,  
    "year" : 1985  
  },  
  "interests" : [  
    "coding",  
    "brunch",  
    "MongoDB",  
    ".net",  
    "iis"  
  ]  
}
```

```
db.students.update({name: "Santiago"}, {$push: {interests: { $each: ["javascript", "nodejs"] }}})
db.students.find({name: "Santiago"}).pretty()
```

```
> db.students.update({name: "Santiago"}, {$push: {interests: { $each: ["javascript", "nodejs"] }}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.students.find({name: "Santiago"}).pretty()
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "javascript",
    "nodejs"
  ]
}
```

```
db.students.update({name: "Pedro"}, {$push: {interests: { $each: ["java", "jboss"] }}})
db.students.find({name: "Pedro"}).pretty()
```

```
> db.students.update({name: "Pedro"}, {$push: {interests: { $each: ["java", "jboss"] }}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.students.find({name: "Pedro"}).pretty()
{
  "_id" : ObjectId("6268aba1a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "java",
    "jboss"
  ]
}
```

```
db.students.update({name: "Juan"}, {$push: {interests: { $each: ["angular", "express"] }}})
db.students.find({name: "Juan"}).pretty()
```

```

> db.students.update({name: "Juan"}, {$push: {interests: { $each: ["angular", "express"] }}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.students.find({name: "Juan"}).pretty()
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "angular",
    "express"
  ]
}
>

```

12. Agrega los 'impuestos' de intereses a la matriz de intereses de alguien.

```

db.students.update({name: "Lucas"}, {$push: {interests: "impuestos"}})
db.students.find({name: "Lucas"}).pretty()

```

```

> db.students.update({name: "Lucas"}, {$push: {interests: "impuestos"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.students.find({name: "Lucas"}).pretty()
{
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),
  "name" : "Lucas",
  "home_state" : "San Jose Dojo",
  "lucky_number" : 2,
  "birthday" : {
    "month" : 1,
    "day" : 25,
    "year" : 1986
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "react",
    "express",
    "impuestos"
  ]
}
>

```

13. Elimina los intereses de 'impuestos' que acaba de agregar.

```

db.students.update({name: "Lucas"}, {$pop: {interests: 1}})
db.students.find({name: "Lucas"}).pretty()

```

```

> db.students.update({name: "Lucas"}, {$pop: {interests: 1}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.students.find({name: "Lucas"}).pretty()
{
  "_id" : ObjectId("6268ab61a9cc8f5d9d3b6fe5"),
  "name" : "Lucas",
  "home_state" : "San Jose Dojo",
  "lucky_number" : 2,
  "birthday" : {
    "month" : 1,
    "day" : 25,
    "year" : 1986
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "react",
    "express"
  ]
}
>

```

14. Eliminar a todos los estudiantes que son de California.

```

db.students.remove({home_state: "San Jose Dojo"})
db.students.find({}).pretty()

```

```

> db.students.remove({home_state: "San Jose Dojo"})
WriteResult({ "nRemoved" : 1 })
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    ".net",
    "iis"
  ]
}
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "javascript",
    "nodejs"
  ]
}
{
  "_id" : ObjectId("6268aba1a9cc8f5d9d3b6fe8"),
  "name" : "Pedro",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 9,
  "birthday" : {
    "month" : 6,
    "day" : 24,
    "year" : 1986
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "java",
    "jboss"
  ]
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {

```

15. Eliminar a un alumno por su nombre.

```
db.students.remove({name: "Pedro"})  
db.students.find({}).pretty()
```

```

> db.students.remove({name: "Pedro"})
WriteResult({ "nRemoved" : 1 })
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    ".net",
    "iis"
  ]
}
{
  "_id" : ObjectId("6268ab8ca9cc8f5d9d3b6fe7"),
  "name" : "Santiago",
  "home_state" : "Mountain View Dojo",
  "lucky_number" : 7,
  "birthday" : {
    "month" : 11,
    "day" : 11,
    "year" : 1987
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "javascript",
    "nodejs"
  ]
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "angular",
    "express"
  ]
}
>

```

16. Retira a un estudiante cuyo número de la suerte sea mayor que 5 (SOLO UNO)

```
db.students.remove({lucky_number: {$gt: 5}}, true)
db.students.find({}).pretty()
```

```
> db.students.remove({lucky_number: {$gt: 5}}, true)
WriteResult({ "nRemoved" : 1 })
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    ".net",
    "iis"
  ]
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "angular",
    "express"
  ]
}
>
```

17. Agrega un campo a cada colección de estudiantes llamado 'number_of_belts' y configúralo en 0.

```
db.students.updateMany({}, {$set: {number_of_belts: 0}})
db.students.find({}).pretty()
```



```

> db.students.updateMany({}, {$set: {number_of_belts: 0}})
{ "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    ".net",
    "iis"
  ],
  "number_of_belts" : 0
},
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "angular",
    "express"
  ],
  "number_of_belts" : 0
}
>

```

18. Incrementa este campo en 1 para todos los estudiantes en Washington (Seattle Dojo).

```

db.students.updateMany({home_state: "Seattle Dojo"}, {$inc: {number_of_belts: 1}})
db.students.find({}).pretty()

```

```

> db.students.updateMany({home_state: "Seattle Dojo"}, {$inc: {number_of_belts: 1}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    ".net",
    "iis"
  ],
  "number_of_belts" : 1
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "angular",
    "express"
  ],
  "number_of_belts" : 0
}
>

```

19. Cambia el nombre del campo 'number_of_belts' a 'belts_earned'

```

db.students.updateMany( {}, { $rename: { "number_of_belts": "belts_earned" } } )
db.students.find({}).pretty()

```

```

> db.students.updateMany( {}, { $rename: { "number_of_belts": "belts_earned" } } )
{ "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "lucky_number" : 5,
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    ".net",
    "iis"
  ],
  "belts_earned" : 1
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "lucky_number" : 3,
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "angular",
    "express"
  ],
  "belts_earned" : 0
}
>

```

20. Elimina el campo 'lucky_number'.

```

db.students.updateMany( {}, { $unset: { "lucky_number": "" } } )
db.students.find({}).pretty()

```

```

> db.students.updateMany( {}, { $unset: { "lucky_number": "" } } )
{ "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    ".net",
    "iis"
  ],
  "belts_earned" : 1
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "angular",
    "express"
  ],
  "belts_earned" : 0
}
>

```

21. Agrega un campo 'updated_on' y establece el valor como la fecha actual.

```

db.students.updateMany( {}, { $set: { "updated_on": new Date() } } )
db.students.find({}).pretty()

```

```

> db.students.updateMany( {}, { $set: { "updated_on": new Date() } } )
{ "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
> db.students.find({}).pretty()
{
  "_id" : ObjectId("6268ab7aa9cc8f5d9d3b6fe6"),
  "name" : "Marcos",
  "home_state" : "Seattle Dojo",
  "birthday" : {
    "month" : 5,
    "day" : 15,
    "year" : 1985
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    ".net",
    "iis"
  ],
  "belts_earned" : 1,
  "updated_on" : ISODate("2022-04-27T04:07:12.336Z")
}
{
  "_id" : ObjectId("6268abb1a9cc8f5d9d3b6fe9"),
  "name" : "Juan",
  "home_state" : "UDLA Dojo",
  "birthday" : {
    "month" : 3,
    "day" : 8,
    "year" : 1988
  },
  "interests" : [
    "coding",
    "brunch",
    "MongoDB",
    "angular",
    "express"
  ],
  "belts_earned" : 0,
  "updated_on" : ISODate("2022-04-27T04:07:12.336Z")
}

```