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1. Crear una base de Datos llamada Biblioteca. use biblioteca

2. Mostrar la base de datos creada show dbs

biblioteca

 Mostrar en qué base de datos se encuantra concetado db
 biblioteca

```
4. Crear una colección libro
db.crateCollection('libro')
{ "ok" : 1 }
```

5. Inserta un registro db.libro.insert({ nombre: 'Aprenda Python', autor: 'Mario Molina', editoriales: ['Planeta'] })

WriteResult({ "nInserted" : 1 })

 Mostrar la base de datos creada db biblioteca

7. insertar los siguientes registros en la colección libros

```
"autor": "Julián Lujan",
"editoriales": ["Planeta", "Siglo XXI"]
"nombre": "Uml",
"autor": "Gosh",
"nombre": "Java",
"autor": "Gosh",
"editoriales": ["Planeta"]
"autor": "Mendoza",
"editoriales": ["Planeta"]
"acknowledged" : true,
"insertedIds" : [
        ObjectId("64ed0b0ff8f2ba81fd176fea"),
        ObjectId("64ed0b0ff8f2ba81fd176feb"),
        ObjectId("64ed0b0ff8f2ba81fd176fec"),
        ObjectId("64ed0b0ff8f2ba81fd176fed"),
        ObjectId("64ed0b0ff8f2ba81fd176fee"),
        ObjectId("64ed0b0ff8f2ba81fd176fef")
```

8. Agregar a la colección 3 libros más de su preferencia;

```
9. Listar todos los libros
db.libro.find();
{ " id" : ObjectId("64ed039cf8f2ba81fd176fe9"), "nombre" : "Aprenda Python", "autor" :
"Mario Molina", "editoriales" : [ "Planeta" ] }
{ "id": ObjectId("64ed0b0ff8f2ba81fd176fea"), "nombre": "Aprenda PHP", "autor": "Mario
Molina", "editoriales" : [ "Planeta" ] }
{ "id": ObjectId("64ed0b0ff8f2ba81fd176feb"), "nombre": "Java en 10 minutos", "autor":
"Barros Sergio", "editoriales" : [ "Planeta", "Siglo XXI" ] }
{ "id": ObjectId("64ed0b0ff8f2ba81fd176fec"), "nombre": "Dummies Android", "autor":
"Julián Lujan", "editoriales" : [ "Planeta", "Siglo XXI" ] }
{ "_id" : ObjectId("64ed0b0ff8f2ba81fd176fed"), "nombre" : "Uml", "autor" : "Gosh",
"editoriales" : [ "Planeta" ] }
{ "id": ObjectId("64ed0b0ff8f2ba81fd176fee"), "nombre": "Java", "autor": "Gosh",
"editoriales" : [ "Planeta" ] }
{ "id": ObjectId("64ed0b0ff8f2ba81fd176fef"), "nombre": "Satanas", "autor": "Mendoza",
"editoriales" : [ "Planeta" ] }
{ " id" : ObjectId("64ed191bf8f2ba81fd176ff0"), "nombre" : "Peaky binders", "autor" :
"Tomas", "editoriales" : [ "Movie" ] }
{ "id": ObjectId("64ed191bf8f2ba81fd176ff1"), "nombre": "Principito", "autor": "Antonie",
"editoriales" : [ "Siglo XX" ] }
{ "id": ObjectId("64ed191bf8f2ba81fd176ff2"), "nombre": "Diomedes Dias", "autor":
"Diomedes", "editoriales" : [ "Sin medir distancia" ] }
```

```
>
```

```
10. Mostrar todos los libros en formato Json
db.libro.find().pretty();
{
     "_id": ObjectId("64ed039cf8f2ba81fd176fe9"),
     "nombre": "Aprenda Python",
     "autor": "Mario Molina",
     "editoriales" : [
          "Planeta"
     ]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fea"),
     "nombre": "Aprenda PHP",
     "autor": "Mario Molina",
     "editoriales" : [
          "Planeta"
     ]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176feb"),
     "nombre": "Java en 10 minutos",
     "autor": "Barros Sergio",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fec"),
     "nombre": "Dummies Android",
     "autor": "Julián Lujan",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fed"),
     "nombre": "Uml",
     "autor": "Gosh",
     "editoriales" : [
          "Planeta"
```

```
]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fee"),
     "nombre": "Java",
     "autor": "Gosh",
     "editoriales" : [
          "Planeta"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fef"),
     "nombre": "Satanas",
     "autor": "Mendoza",
     "editoriales" : [
          "Planeta"
     ]
}
     "_id": ObjectId("64ed191bf8f2ba81fd176ff0"),
     "nombre": "Peaky binders",
     "autor": "Tomas",
     "editoriales" : [
          "Movie"
     ]
}
{
     "_id" : ObjectId("64ed191bf8f2ba81fd176ff1"),
     "nombre": "Principito",
     "autor": "Antonie",
     "editoriales" : [
          "Siglo XX"
     ]
}
{
     "_id": ObjectId("64ed191bf8f2ba81fd176ff2"),
     "nombre": "Diomedes Dias",
     "autor": "Diomedes",
     "editoriales" : [
          "Sin medir distancia"
     ]
}
11. Eliminar el libro que tenga por nombre Satanas
db.libro.deleteOne({"nombre": "satanas"})
{ "acknowledged" : true, "deletedCount" : 0 }
```

```
12. Listar los libros.
db.libro.find().pretty()
     "_id": ObjectId("64ed039cf8f2ba81fd176fe9"),
     "nombre": "Aprenda Python",
     "autor": "Mario Molina",
     "editoriales" : [
          "Planeta"
     ]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fea"),
     "nombre": "Aprenda PHP",
     "autor": "Mario Molina",
     "editoriales" : [
          "Planeta"
     ]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176feb"),
     "nombre": "Java en 10 minutos",
     "autor": "Barros Sergio",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fec"),
     "nombre": "Dummies Android",
     "autor": "Julián Lujan",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fed"),
     "nombre": "Uml",
     "autor": "Gosh",
     "editoriales" : [
          "Planeta"
```

>

```
]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fee"),
     "nombre": "Java",
     "autor": "Gosh",
     "editoriales" : [
          "Planeta"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fef"),
     "nombre": "Satanas",
     "autor": "Mendoza",
     "editoriales" : [
          "Planeta"
     ]
}
     "_id": ObjectId("64ed191bf8f2ba81fd176ff0"),
     "nombre": "Peaky binders",
     "autor": "Tomas",
     "editoriales" : [
          "Movie"
     ]
}
{
     "_id": ObjectId("64ed191bf8f2ba81fd176ff1"),
     "nombre": "Principito",
     "autor": "Antonie",
     "editoriales" : [
          "Siglo XX"
     ]
}
{
     "_id": ObjectId("64ed191bf8f2ba81fd176ff2"),
     "nombre": "Diomedes Dias",
     "autor": "Diomedes",
     "editoriales" : [
          "Sin medir distancia"
     ]
}
```

```
13. Listar solo 3 libros
db.libro.find().limit(3).pretty()
{
     " id": ObjectId("64ed039cf8f2ba81fd176fe9"),
     "nombre": "Aprenda Python",
     "autor": "Mario Molina",
     "editoriales" : [
          "Planeta"
     ]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fea"),
     "nombre": "Aprenda PHP",
     "autor": "Mario Molina",
     "editoriales" : [
          "Planeta"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176feb"),
     "nombre": "Java en 10 minutos",
     "autor": "Barros Sergio",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
14. Listar los libros en forma ascendente por nombre
db.libro.find().sort({"nombre": 1}).pretty()
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fea"),
     "nombre": "Aprenda PHP",
     "autor": "Mario Molina",
     "editoriales" : [
          "Planeta"
     ]
}
     "_id": ObjectId("64ed039cf8f2ba81fd176fe9"),
     "nombre": "Aprenda Python",
     "autor": "Mario Molina",
     "editoriales" : [
```

```
"Planeta"
     ]
}
     "_id": ObjectId("64ed191bf8f2ba81fd176ff2"),
     "nombre": "Diomedes Dias",
     "autor": "Diomedes",
     "editoriales" : [
          "Sin medir distancia"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fec"),
     "nombre": "Dummies Android",
     "autor": "Julián Lujan",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fee"),
     "nombre": "Java",
     "autor": "Gosh",
     "editoriales" : [
          "Planeta"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176feb"),
     "nombre": "Java en 10 minutos",
     "autor": "Barros Sergio",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
     "_id": ObjectId("64ed191bf8f2ba81fd176ff0"),
     "nombre": "Peaky binders",
     "autor": "Tomas",
     "editoriales" : [
          "Movie"
     ]
}
     "_id": ObjectId("64ed191bf8f2ba81fd176ff1"),
     "nombre": "Principito",
```

```
"autor": "Antonie",
     "editoriales" : [
          "Siglo XX"
     ]
}
     " id": ObjectId("64ed0b0ff8f2ba81fd176fef"),
     "nombre": "Satanas",
     "autor": "Mendoza",
     "editoriales" : [
          "Planeta"
     ]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fed"),
     "nombre": "Uml",
     "autor": "Gosh",
     "editoriales" : [
          "Planeta"
     ]
}
15. Listar los libros en forma descendente por editorial
db.libro.find().sort({"editorial": -1}).pretty()
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fed"),
     "nombre": "Uml",
     "autor": "Gosh",
     "editoriales" : [
          "Planeta"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fef"),
     "nombre": "Satanas",
     "autor": "Mendoza",
     "editoriales" : [
          "Planeta"
     ]
}
{
     "_id": ObjectId("64ed191bf8f2ba81fd176ff1"),
     "nombre": "Principito",
     "autor": "Antonie",
     "editoriales" : [
          "Siglo XX"
     ]
```

```
}
{
     "_id": ObjectId("64ed191bf8f2ba81fd176ff0"),
     "nombre": "Peaky binders",
     "autor": "Tomas",
     "editoriales" : [
          "Movie"
     ]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176feb"),
     "nombre": "Java en 10 minutos",
     "autor": "Barros Sergio",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fee"),
     "nombre": "Java",
     "autor": "Gosh",
     "editoriales" : [
          "Planeta"
     ]
}
{
     "_id": ObjectId("64ed0b0ff8f2ba81fd176fec"),
     "nombre": "Dummies Android",
     "autor": "Julián Lujan",
     "editoriales" : [
          "Planeta",
          "Siglo XXI"
     ]
}
     "_id": ObjectId("64ed191bf8f2ba81fd176ff2"),
     "nombre": "Diomedes Dias",
     "autor": "Diomedes",
     "editoriales" : [
          "Sin medir distancia"
     ]
}
     "_id": ObjectId("64ed039cf8f2ba81fd176fe9"),
     "nombre": "Aprenda Python",
     "autor": "Mario Molina",
     "editoriales" : [
```

17. insertar 3 registro con el nombre de la ciudad y su código

18. Eliminar la colección db.ciudades.drop() true