```
dirkkinley@Dirks-MacBook-Pro mern % mongo
MongoDB shell version v4.4.5
connecting to: mongodb://127.0.0.1:27017/?
compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("a2fa925a-2c91-4928-
bc65-575bbe3d82da") }
MongoDB server version: 4.4.5
---
The server generated these startup warnings when booting:
     2021-06-24T14:27:27.985-07:00: Access control is not enabled for the
database. Read and write access to data and configuration is unrestricted
     2021-06-24T14:27:27.985-07:00: Soft rlimits too low
     2021-06-24T14:27:27.985-07:00:      currentValue: 256
     2021-06-24T14:27:27.985-07:00:      recommendedMinimum: 64000
---
> show dbs
admin      0.000GB
author     0.000GB
config     0.000GB
jokes      0.000GB
karaoke    0.000GB
lit        0.000GB
local      0.000GB
movies-db  0.000GB
product    0.000GB
shelter    0.000GB
> use my_first_db
switched to db my_first_db
> db.createCollection("STUDENTS_COLLECTION")
{ "ok" : 1 }
> db.my_first_db.insert({name: Kansas Kim, home_state: MO, lucky_number: 31,
birthday: {month: 1, day: 31, year: 2000}})
uncaught exception: SyntaxError: missing } after property list :
@(shell):1:36
> db.my_first_db.insert({name: "Kansas Kim", home_state: "MO", lucky_number:
"31", birthday: {month: "1", day: "31", year:"2000"}})
WriteResult({ "nInserted" : 1 })
> db.my_first_db.insert({name: "Michigan Michelle", home_state: "MI",
lucky_number: "12", birthday: {month: "2", day: "21", year:"1992"}})
WriteResult({ "nInserted" : 1 })
> db.my_first_db.insert({name: "Maine Mandy", home_state: "ME", lucky_number:
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"11", birthday: {month: "3", day: "20", year:"1996"}})
WriteResult({ "nInserted" : 1 })
> db.my_first_db.insert({name: "Minnesota Mox", home_state: "MN", lucky_number:
"100", birthday: {month: "4", day: "19", year:"1990"}})
WriteResult({ "nInserted" : 1 })
> db.my_first_db.insert({name: "Maryland Mollie", home_state: "MD",
lucky_number: "101", birthday: {month: "5", day: "11", year:"1989"}})
WriteResult({ "nInserted" : 1 })
> show collections
STUDENTS_COLLECTION
my_first_db
> db.my_first_db.find()
{ "_id" : ObjectId("60dbf2e6ec567aa371ae2109"), "name" : "Kansas Kim",
"home_state" : "MO", "lucky_number" : "31", "birthday" : { "month" : "1", "day" :
"31", "year" : "2000" } }
{ "_id" : ObjectId("60dbf317ec567aa371ae210a"), "name" : "Michigan Michelle",
"home_state" : "MI", "lucky_number" : "12", "birthday" : { "month" : "2", "day" : "21",
"year" : "1992" } }
{ "_id" : ObjectId("60dbf335ec567aa371ae210b"), "name" : "Maine Mandy",
"home_state" : "ME", "lucky_number" : "11", "birthday" : { "month" : "3", "day" :
"20", "year" : "1996" } }
{ "_id" : ObjectId("60dbf35dec567aa371ae210c"), "name" : "Minnesota Mox",
"home_state" : "MN", "lucky_number" : "100", "birthday" : { "month" : "4", "day" :
"19", "year" : "1990" } }
{ "_id" : ObjectId("60dbf39fec567aa371ae210d"), "name" : "Maryland Mollie",
"home_state" : "MD", "lucky_number" : "101", "birthday" : { "month" : "5", "day" :
"11", "year" : "1989" } }
> db.ninjas.find({})
> db.ninjas.find()
> db.my_first_db.find({})
{ "_id" : ObjectId("60dbf2e6ec567aa371ae2109"), "name" : "Kansas Kim",
"home_state" : "MO", "lucky_number" : "31", "birthday" : { "month" : "1", "day" :
"31", "year" : "2000" } }
{ "_id" : ObjectId("60dbf317ec567aa371ae210a"), "name" : "Michigan Michelle",
"home_state" : "MI", "lucky_number" : "12", "birthday" : { "month" : "2", "day" : "21",
"year" : "1992" } }
{ "_id" : ObjectId("60dbf335ec567aa371ae210b"), "name" : "Maine Mandy",
"home_state" : "ME", "lucky_number" : "11", "birthday" : { "month" : "3", "day" :
"20", "year" : "1996" } }
{ "_id" : ObjectId("60dbf35dec567aa371ae210c"), "name" : "Minnesota Mox",
"home_state" : "MN", "lucky_number" : "100", "birthday" : { "month" : "4", "day" :
"19", "year" : "1990" } }
{ "_id" : ObjectId("60dbf39fec567aa371ae210d"), "name" : "Maryland Mollie",
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"home_state" : "MD", "lucky_number" : "101", "birthday" : { "month" : "5", "day" :
"11", "year" : "1989" } }
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf2e6ec567aa371ae2109"),
        "name" : "Kansas Kim",
        "home_state" : "MO",
        "lucky_number" : "31",
        "birthday" : {
                "month" : "1",
                "day" : "31",
                "year" : "2000"
        }
}
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "name" : "Michigan Michelle",
        "home_state" : "MI",
        "lucky_number" : "12",
        "birthday" : {
                "month" : "2",
                "day" : "21",
                "year" : "1992"
        }
}
{
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
                "month" : "3",
                "day" : "20",
                "year" : "1996"
        }
}
{
        "_id" : ObjectId("60dbf35dec567aa371ae210c"),
        "name" : "Minnesota Mox",
        "home_state" : "MN",
        "lucky_number" : "100",
        "birthday" : {
                "month" : "4",
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            "day" : "19",
            "year" : "1990"
        }
    }
    {
        "_id" : ObjectId("60dbf39fec567aa371ae210d"),
        "name" : "Maryland Mollie",
        "home_state" : "MD",
        "lucky_number" : "101",
        "birthday" : {
            "month" : "5",
            "day" : "11",
            "year" : "1989"
        }
    }
> db.my_first_db.find({location: "CA"}, {location: "WA"})
> db.my_first_db.find({location: "CA"}, {location: "MD"})
> db.my_first_db.find({location: "MD"})
> db.my_first_db.find({home_state: "MD"})
{ "_id" : ObjectId("60dbf39fec567aa371ae210d"), "name" : "Maryland Mollie",
"home_state" : "MD", "lucky_number" : "101", "birthday" : { "month" : "5", "day" :
"11", "year" : "1989" } }
> db.my_first_db.find({home_state: "CA"}, {home_state: "MD"})
> db.my_first_db.find({lucky_number: {$gt: 3 })
... }
uncaught exception: SyntaxError: missing } after property list :
@(shell):1:44
> db.my_first_db.find({lucky_number: {$gt: 3 }})
> db.my_first_db.find({lucky_number: {$gt: 3}})
> db.my_first_db.update({name: "Kansas Kim"}, {lucky_number: 31})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.find().pretty()
{ "_id" : ObjectId("60dbf2e6ec567aa371ae2109"), "lucky_number" : 31 }
{
    "_id" : ObjectId("60dbf317ec567aa371ae210a"),
    "name" : "Michigan Michelle",
    "home_state" : "MI",
    "lucky_number" : "12",
    "birthday" : {
        "month" : "2",
        "day" : "21",
        "year" : "1992"
    }
```

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        }
        {
                "_id" : ObjectId("60dbf335ec567aa371ae210b"),
                "name" : "Maine Mandy",
                "home_state" : "ME",
                "lucky_number" : "11",
                "birthday" : {
                        "month" : "3",
                        "day" : "20",
                        "year" : "1996"
                }
        }
        {
                "_id" : ObjectId("60dbf35dec567aa371ae210c"),
                "name" : "Minnesota Mox",
                "home_state" : "MN",
                "lucky_number" : "100",
                "birthday" : {
                        "month" : "4",
                        "day" : "19",
                        "year" : "1990"
                }
        }
        {
                "_id" : ObjectId("60dbf39fec567aa371ae210d"),
                "name" : "Maryland Mollie",
                "home_state" : "MD",
                "lucky_number" : "101",
                "birthday" : {
                        "month" : "5",
                        "day" : "11",
                        "year" : "1989"
                }
        }
> db.my_first_db.insert({name: "Motown Mike", home_state: "MI", lucky_number:
101, birthday: {month: 5, day: 13, year: 1988}})
WriteResult({ "nInserted" : 1 })
> db.my_first_db.find().pretty()
{ "_id" : ObjectId("60dbf2e6ec567aa371ae2109"), "lucky_number" : 31 }
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "name" : "Michigan Michelle",
        "home_state" : "MI",
```

```
        "lucky_number" : "12",
        "birthday" : {
                "month" : "2",
                "day" : "21",
                "year" : "1992"
        }
}
{
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
                "month" : "3",
                "day" : "20",
                "year" : "1996"
        }
}
{
        "_id" : ObjectId("60dbf35dec567aa371ae210c"),
        "name" : "Minnesota Mox",
        "home_state" : "MN",
        "lucky_number" : "100",
        "birthday" : {
                "month" : "4",
                "day" : "19",
                "year" : "1990"
        }
}
{
        "_id" : ObjectId("60dbf39fec567aa371ae210d"),
        "name" : "Maryland Mollie",
        "home_state" : "MD",
        "lucky_number" : "101",
        "birthday" : {
                "month" : "5",
                "day" : "11",
                "year" : "1989"
        }
}
{
        "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
        "name" : "Motown Mike",
```

```
            "home_state" : "MI",
            "lucky_number" : 101,
            "birthday" : {
                    "month" : 5,
                    "day" : 13,
                    "year" : 1988
            }
}
> db.my_first_db.update({name: "Maryland Mollie"}, {$set: {lucky_number: 99}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.find().pretty()
{ "_id" : ObjectId("60dbf2e6ec567aa371ae2109"), "lucky_number" : 31 }
{
            "_id" : ObjectId("60dbf317ec567aa371ae210a"),
            "name" : "Michigan Michelle",
            "home_state" : "MI",
            "lucky_number" : "12",
            "birthday" : {
                    "month" : "2",
                    "day" : "21",
                    "year" : "1992"
            }
}
{
            "_id" : ObjectId("60dbf335ec567aa371ae210b"),
            "name" : "Maine Mandy",
            "home_state" : "ME",
            "lucky_number" : "11",
            "birthday" : {
                    "month" : "3",
                    "day" : "20",
                    "year" : "1996"
            }
}
{
            "_id" : ObjectId("60dbf35dec567aa371ae210c"),
            "name" : "Minnesota Mox",
            "home_state" : "MN",
            "lucky_number" : "100",
            "birthday" : {
                    "month" : "4",
                    "day" : "19",
                    "year" : "1990"
```

```
        }
}
{
        "_id" : ObjectId("60dbf39fec567aa371ae210d"),
        "name" : "Maryland Mollie",
        "home_state" : "MD",
        "lucky_number" : 99,
        "birthday" : {
                "month" : "5",
                "day" : "11",
                "year" : "1989"
        }
}
{
        "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
        "name" : "Motown Mike",
        "home_state" : "MI",
        "lucky_number" : 101,
        "birthday" : {
                "month" : 5,
                "day" : 13,
                "year" : 1988
        }
}
> db.dojos.find({number_of_students: {$gt: 15}})
> db.dojos.find({number_of_students: {$gt: 15}})
> db.my_first_db.find({lucky_number: {$gte: 1}, {$lte:9})
... db.dojos.find({number_of_students: {$gt: 15}})
... db.my_first_db.find({lucky_number: {$gte: 1}, {$lte:9}})
... db.dojos.find({number_of_students: {$gt: 15}}){ $range: [ <start>, <end>, <non-
zero step> ] }
... }
uncaught exception: SyntaxError: expected property name, got '{' :
@(shell):1:46
> db.my_first_db({ $range: [1, 9,]})
uncaught exception: TypeError: db.my_first_db is not a function :
@(shell):1:1
> db.my_first_db.find({ $range: [1, 9,]})
Error: error: {
        "ok" : 0,
        "errmsg" : "unknown top level operator: $range",
        "code" : 2,
        "codeName" : "BadValue"
```

```
}
> db.my_first_db.find({ $range: [1, 9,]})
Error: error: {
       "ok" : 0,
       "errmsg" : "unknown top level operator: $range",
       "code" : 2,
       "codeName" : "BadValue"
}
> db.my_first_db.{ $range: [1, 9,]}
uncaught exception: SyntaxError: missing name after . operator :
@(shell):1:15
> db.my_first_db.updateMany( {} { $set: {interests: "coding, brunch, MongoDB"}
... db.my_first_db.find().pretty()
... }
... }}
uncaught exception: SyntaxError: missing ) after argument list :
@(shell):1:30
> db.my_first_db.find().pretty()
{ "_id" : ObjectId("60dbf2e6ec567aa371ae2109"), "lucky_number" : 31 }
{
       "_id" : ObjectId("60dbf317ec567aa371ae210a"),
       "name" : "Michigan Michelle",
       "home_state" : "MI",
       "lucky_number" : "12",
       "birthday" : {
               "month" : "2",
               "day" : "21",
               "year" : "1992"
       }
}
{
       "_id" : ObjectId("60dbf335ec567aa371ae210b"),
       "name" : "Maine Mandy",
       "home_state" : "ME",
       "lucky_number" : "11",
       "birthday" : {
               "month" : "3",
               "day" : "20",
               "year" : "1996"
       }
}
{
       "_id" : ObjectId("60dbf35dec567aa371ae210c"),
```

```
        "name" : "Minnesota Mox",
        "home_state" : "MN",
        "lucky_number" : "100",
        "birthday" : {
                "month" : "4",
                "day" : "19",
                "year" : "1990"
        }
}
{
        "_id" : ObjectId("60dbf39fec567aa371ae210d"),
        "name" : "Maryland Mollie",
        "home_state" : "MD",
        "lucky_number" : 99,
        "birthday" : {
                "month" : "5",
                "day" : "11",
                "year" : "1989"
        }
}
{
        "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
        "name" : "Motown Mike",
        "home_state" : "MI",
        "lucky_number" : 101,
        "birthday" : {
                "month" : 5,
                "day" : 13,
                "year" : 1988
        }
}
> db.my_first_db.remove({lucky_number: 31})
WriteResult({ "nRemoved" : 1 })
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "name" : "Michigan Michelle",
        "home_state" : "MI",
        "lucky_number" : "12",
        "birthday" : {
                "month" : "2",
                "day" : "21",
                "year" : "1992"
```

```
        }
    }
    {
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
            "month" : "3",
            "day" : "20",
            "year" : "1996"
        }
    }
    {
        "_id" : ObjectId("60dbf35dec567aa371ae210c"),
        "name" : "Minnesota Mox",
        "home_state" : "MN",
        "lucky_number" : "100",
        "birthday" : {
            "month" : "4",
            "day" : "19",
            "year" : "1990"
        }
    }
    {
        "_id" : ObjectId("60dbf39fec567aa371ae210d"),
        "name" : "Maryland Mollie",
        "home_state" : "MD",
        "lucky_number" : 99,
        "birthday" : {
            "month" : "5",
            "day" : "11",
            "year" : "1989"
        }
    }
    {
        "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
        "name" : "Motown Mike",
        "home_state" : "MI",
        "lucky_number" : 101,
        "birthday" : {
            "month" : 5,
            "day" : 13,
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            "year" : 1988
        }
}
> db.my_first_db.update($set: {interests: coding, brunch, MongoDB"} ).pretty()
uncaught exception: SyntaxError: missing ) after argument list :
@(shell):1:26
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "name" : "Michigan Michelle",
        "home_state" : "MI",
        "lucky_number" : "12",
        "birthday" : {
                "month" : "2",
                "day" : "21",
                "year" : "1992"
        }
}
{
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
                "month" : "3",
                "day" : "20",
                "year" : "1996"
        }
}
{
        "_id" : ObjectId("60dbf35dec567aa371ae210c"),
        "name" : "Minnesota Mox",
        "home_state" : "MN",
        "lucky_number" : "100",
        "birthday" : {
                "month" : "4",
                "day" : "19",
                "year" : "1990"
        }
}
{
        "_id" : ObjectId("60dbf39fec567aa371ae210d"),
        "name" : "Maryland Mollie",
```

```
            "home_state" : "MD",
            "lucky_number" : 99,
            "birthday" : {
                    "month" : "5",
                    "day" : "11",
                    "year" : "1989"
            }
    }
    {
            "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
            "name" : "Motown Mike",
            "home_state" : "MI",
            "lucky_number" : 101,
            "birthday" : {
                    "month" : 5,
                    "day" : 13,
                    "year" : 1988
            }
    }
    > use my_first_db
    switched to db my_first_db
    > show collections
    STUDENTS_COLLECTION
    my_first_db
    > db.my_first_db.insert({name: "Calvin Colorado", home_state: "Colorado",
    luck_number: 5})
    WriteResult({ "nInserted" : 1 })
    > db.my_first_db.find().pretty()
    {
            "_id" : ObjectId("60dbf317ec567aa371ae210a"),
            "name" : "Michigan Michelle",
            "home_state" : "MI",
            "lucky_number" : "12",
            "birthday" : {
                    "month" : "2",
                    "day" : "21",
                    "year" : "1992"
            }
    }
    {
            "_id" : ObjectId("60dbf335ec567aa371ae210b"),
            "name" : "Maine Mandy",
            "home_state" : "ME",
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            "lucky_number" : "11",
            "birthday" : {
                    "month" : "3",
                    "day" : "20",
                    "year" : "1996"
            }
    }
    {
            "_id" : ObjectId("60dbf35dec567aa371ae210c"),
            "name" : "Minnesota Mox",
            "home_state" : "MN",
            "lucky_number" : "100",
            "birthday" : {
                    "month" : "4",
                    "day" : "19",
                    "year" : "1990"
            }
    }
    {
            "_id" : ObjectId("60dbf39fec567aa371ae210d"),
            "name" : "Maryland Mollie",
            "home_state" : "MD",
            "lucky_number" : 99,
            "birthday" : {
                    "month" : "5",
                    "day" : "11",
                    "year" : "1989"
            }
    }
    {
            "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
            "name" : "Motown Mike",
            "home_state" : "MI",
            "lucky_number" : 101,
            "birthday" : {
                    "month" : 5,
                    "day" : 13,
                    "year" : 1988
            }
    }
    {
            "_id" : ObjectId("60dcb24bec567aa371ae210f"),
            "name" : "Calvin Colorado",
```

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        "home_state" : "Colorado",
        "luck_number" : 5
}
> db.my_first_db.update($set).pretty()
uncaught exception: ReferenceError: $set is not defined :
@(shell):1:1
> db.my_first_db.find.pretty()
uncaught exception: TypeError: db.my_first_db.find.pretty is not a function :
@(shell):1:1
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "name" : "Michigan Michelle",
        "home_state" : "MI",
        "lucky_number" : "12",
        "birthday" : {
                "month" : "2",
                "day" : "21",
                "year" : "1992"
        }
}
{
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
                "month" : "3",
                "day" : "20",
                "year" : "1996"
        }
}
{
        "_id" : ObjectId("60dbf35dec567aa371ae210c"),
        "name" : "Minnesota Mox",
        "home_state" : "MN",
        "lucky_number" : "100",
        "birthday" : {
                "month" : "4",
                "day" : "19",
                "year" : "1990"
        }
}
```

```
{
      "_id" : ObjectId("60dbf39fec567aa371ae210d"),
      "name" : "Maryland Mollie",
      "home_state" : "MD",
      "lucky_number" : 99,
      "birthday" : {
            "month" : "5",
            "day" : "11",
            "year" : "1989"
      }
}
{
      "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
      "name" : "Motown Mike",
      "home_state" : "MI",
      "lucky_number" : 101,
      "birthday" : {
            "month" : 5,
            "day" : 13,
            "year" : 1988
      }
}
{
      "_id" : ObjectId("60dcb24bec567aa371ae210f"),
      "name" : "Calvin Colorado",
      "home_state" : "Colorado",
      "luck_number" : 5
}
> db.my_first_db.update({}, {interests: ['coding', 'brunch', MongoDB']})
uncaught exception: SyntaxError: '' literal not terminated before end of script :
@(shell):1:70
> db.my_first_db.update({}, {interests: ['coding', 'brunch', 'MongoDB']})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.find().pretty()
{
      "_id" : ObjectId("60dbf317ec567aa371ae210a"),
      "interests" : [
            "coding",
            "brunch",
            "MongoDB"
      ]
}
{
```

```
"_id" : ObjectId("60dbf335ec567aa371ae210b"),
"name" : "Maine Mandy",
"home_state" : "ME",
"lucky_number" : "11",
"birthday" : {
        "month" : "3",
        "day" : "20",
        "year" : "1996"
}
}
{
"_id" : ObjectId("60dbf35dec567aa371ae210c"),
"name" : "Minnesota Mox",
"home_state" : "MN",
"lucky_number" : "100",
"birthday" : {
        "month" : "4",
        "day" : "19",
        "year" : "1990"
}
}
{
"_id" : ObjectId("60dbf39fec567aa371ae210d"),
"name" : "Maryland Mollie",
"home_state" : "MD",
"lucky_number" : 99,
"birthday" : {
        "month" : "5",
        "day" : "11",
        "year" : "1989"
}
}
{
"_id" : ObjectId("60dc9e7cec567aa371ae210e"),
"name" : "Motown Mike",
"home_state" : "MI",
"lucky_number" : 101,
"birthday" : {
        "month" : 5,
        "day" : 13,
        "year" : 1988
}
}
```

```
{
        "_id" : ObjectId("60dcb24bec567aa371ae210f"),
        "name" : "Calvin Colorado",
        "home_state" : "Colorado",
        "luck_number" : 5
}
> db.my_first_db.update( , {interests: ['coding', 'brunch', 'MongoDB']})
uncaught exception: SyntaxError: expected expression, got ',' :
@(shell):1:23
> db.my_first_db.update( {interests: ['coding', 'brunch', 'MongoDB']})
uncaught exception: Error: need an update object or pipeline :
DBCollection.prototype._parseUpdate@src/mongo/shell/collection.js:451:15
DBCollection.prototype.update@src/mongo/shell/collection.js:497:18
@(shell):1:1
> db.my_first_db.insert({name: "Calvin Kentucky", home_state: "KY", luck_number:
6})
WriteResult({ "nInserted" : 1 })
> db.my_first_db.update( {$set: {interests: ['coding', 'brunch', 'MongoDB']}})
uncaught exception: Error: need an update object or pipeline :
DBCollection.prototype._parseUpdate@src/mongo/shell/collection.js:451:15
DBCollection.prototype.update@src/mongo/shell/collection.js:497:18
@(shell):1:1
> db.my_first_db.update({name: "Calvin Colorado"} {$set: {interests: ['coding',
'brunch', 'MongoDB']}})
uncaught exception: SyntaxError: missing ) after argument list :
@(shell):1:48
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
                "month" : "3",
                "day" : "20",
```

```
                "year" : "1996"
        }
}
{

        "_id" : ObjectId("60dbf35dec567aa371ae210c"),
        "name" : "Minnesota Mox",
        "home_state" : "MN",
        "lucky_number" : "100",
        "birthday" : {
                "month" : "4",
                "day" : "19",
                "year" : "1990"
        }
}
{

        "_id" : ObjectId("60dbf39fec567aa371ae210d"),
        "name" : "Maryland Mollie",
        "home_state" : "MD",
        "lucky_number" : 99,
        "birthday" : {
                "month" : "5",
                "day" : "11",
                "year" : "1989"
        }
}
{

        "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
        "name" : "Motown Mike",
        "home_state" : "MI",
        "lucky_number" : 101,
        "birthday" : {
                "month" : 5,
                "day" : 13,
                "year" : 1988
        }
}
{

        "_id" : ObjectId("60dcb24bec567aa371ae210f"),
        "name" : "Calvin Colorado",
        "home_state" : "Colorado",
        "luck_number" : 5
}
{
```

```
        "_id" : ObjectId("60dcb92aec567aa371ae2110"),
        "name" : "Calvin Kentucky",
        "home_state" : "KY",
        "luck_number" : 6
}
> db.my_fisrt_db.update({name: "Motown Mike"}. {$addToSet: {interests:
"coding"}})
uncaught exception: SyntaxError: missing name after . operator :
@(shell):1:45
> db.my_fisrt_db.update({name: "Motown Mike"}, {$set: {interests: "coding"}})
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.my_fisrt_db.update({name: "Motown Mike"}, {$set: {interests: "coding,
brunch, MongoDB"}})
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.my_fisrt_db.update({name: "Maryland Mollie"}, {$set: {interests: "coding,
brunch, MongoDB"}})
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.my_fisrt_db.insert({name: "Maryland Mollie"}, {$set: {interests: "coding,
brunch, MongoDB"}})
WriteResult({ "nInserted" : 1 })
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
                "month" : "3",
                "day" : "20",
                "year" : "1996"
        }
}
{
        "_id" : ObjectId("60dbf35dec567aa371ae210c"),
        "name" : "Minnesota Mox",
```

```
            "home_state" : "MN",
            "lucky_number" : "100",
            "birthday" : {
                    "month" : "4",
                    "day" : "19",
                    "year" : "1990"
            }
    }
    {
            "_id" : ObjectId("60dbf39fec567aa371ae210d"),
            "name" : "Maryland Mollie",
            "home_state" : "MD",
            "lucky_number" : 99,
            "birthday" : {
                    "month" : "5",
                    "day" : "11",
                    "year" : "1989"
            }
    }
    {
            "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
            "name" : "Motown Mike",
            "home_state" : "MI",
            "lucky_number" : 101,
            "birthday" : {
                    "month" : 5,
                    "day" : 13,
                    "year" : 1988
            }
    }
    {
            "_id" : ObjectId("60dcb24bec567aa371ae210f"),
            "name" : "Calvin Colorado",
            "home_state" : "Colorado",
            "luck_number" : 5
    }
    {
            "_id" : ObjectId("60dcb92aec567aa371ae2110"),
            "name" : "Calvin Kentucky",
            "home_state" : "KY",
            "luck_number" : 6
    }
    > db.my_first_db.update({name: "Maryland Mollie"}, {$set: {interests: "coding,
```

```
brunch, MongoDB"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.find().pretty()
{
      "_id" : ObjectId("60dbf317ec567aa371ae210a"),
      "interests" : [
            "coding",
            "brunch",
            "MongoDB"
      ]
}
{
      "_id" : ObjectId("60dbf335ec567aa371ae210b"),
      "name" : "Maine Mandy",
      "home_state" : "ME",
      "lucky_number" : "11",
      "birthday" : {
            "month" : "3",
            "day" : "20",
            "year" : "1996"
      }
}
{
      "_id" : ObjectId("60dbf35dec567aa371ae210c"),
      "name" : "Minnesota Mox",
      "home_state" : "MN",
      "lucky_number" : "100",
      "birthday" : {
            "month" : "4",
            "day" : "19",
            "year" : "1990"
      }
}
{
      "_id" : ObjectId("60dbf39fec567aa371ae210d"),
      "name" : "Maryland Mollie",
      "home_state" : "MD",
      "lucky_number" : 99,
      "birthday" : {
            "month" : "5",
            "day" : "11",
            "year" : "1989"
      },
```

```
        "interests" : "coding, brunch, MongoDB"
}
{
        "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
        "name" : "Motown Mike",
        "home_state" : "MI",
        "lucky_number" : 101,
        "birthday" : {
                "month" : 5,
                "day" : 13,
                "year" : 1988
        }
}
{
        "_id" : ObjectId("60dcb24bec567aa371ae210f"),
        "name" : "Calvin Colorado",
        "home_state" : "Colorado",
        "luck_number" : 5
}
{
        "_id" : ObjectId("60dcb92aec567aa371ae2110"),
        "name" : "Calvin Kentucky",
        "home_state" : "KY",
        "luck_number" : 6
}
> db.my_first_db.update({name: "Maryland Mollie"}, {$set: {interests: ["coding",
"brunch", "MongoDB"]}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
```

```
                    "month" : "3",
                    "day" : "20",
                    "year" : "1996"
            }
    }
    {
            "_id" : ObjectId("60dbf35dec567aa371ae210c"),
            "name" : "Minnesota Mox",
            "home_state" : "MN",
            "lucky_number" : "100",
            "birthday" : {
                    "month" : "4",
                    "day" : "19",
                    "year" : "1990"
            }
    }
    {
            "_id" : ObjectId("60dbf39fec567aa371ae210d"),
            "name" : "Maryland Mollie",
            "home_state" : "MD",
            "lucky_number" : 99,
            "birthday" : {
                    "month" : "5",
                    "day" : "11",
                    "year" : "1989"
            },
            "interests" : [
                    "coding",
                    "brunch",
                    "MongoDB"
            ]
    }
    {
            "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
            "name" : "Motown Mike",
            "home_state" : "MI",
            "lucky_number" : 101,
            "birthday" : {
                    "month" : 5,
                    "day" : 13,
                    "year" : 1988
            }
    }
```

```
{
    "_id" : ObjectId("60dcb24bec567aa371ae210f"),
    "name" : "Calvin Colorado",
    "home_state" : "Colorado",
    "luck_number" : 5
}
{
    "_id" : ObjectId("60dcb92aec567aa371ae2110"),
    "name" : "Calvin Kentucky",
    "home_state" : "KY",
    "luck_number" : 6
}
> db.my_first_db.update({name: "Motown Mike"}, {$set: {interests: ["coding",
"brunch", "MongoDB"]}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.update({name: "Calvin Colorado"}, {$set: {interests: ["coding",
"brunch", "MongoDB"]}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.update({name: "Calvin Kentucky"}, {$set: {interests: ["coding",
"brunch", "MongoDB"]}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.update({name: "Minnesota Mox"}, {$set: {interests: ["coding",
"brunch", "MongoDB"]}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.insert({name: "Minnesota Mox"}, {$set: {interests: ["taxes",
"brunch", "MongoDB"]}})
WriteResult({ "nInserted" : 1 })
> db.my_first_db.find().pretty()
{
    "_id" : ObjectId("60dbf317ec567aa371ae210a"),
    "interests" : [
            "coding",
            "brunch",
            "MongoDB"
    ]
}
{
    "_id" : ObjectId("60dbf335ec567aa371ae210b"),
    "name" : "Maine Mandy",
    "home_state" : "ME",
    "lucky_number" : "11",
    "birthday" : {
            "month" : "3",
```

```
                    "day" : "20",
                    "year" : "1996"
              }
        }
        {
              "_id" : ObjectId("60dbf35dec567aa371ae210c"),
              "name" : "Minnesota Mox",
              "home_state" : "MN",
              "lucky_number" : "100",
              "birthday" : {
                    "month" : "4",
                    "day" : "19",
                    "year" : "1990"
              },
              "interests" : [
                    "coding",
                    "brunch",
                    "MongoDB"
              ]
        }
        {
              "_id" : ObjectId("60dbf39fec567aa371ae210d"),
              "name" : "Maryland Mollie",
              "home_state" : "MD",
              "lucky_number" : 99,
              "birthday" : {
                    "month" : "5",
                    "day" : "11",
                    "year" : "1989"
              },
              "interests" : [
                    "coding",
                    "brunch",
                    "MongoDB"
              ]
        }
        {
              "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
              "name" : "Motown Mike",
              "home_state" : "MI",
              "lucky_number" : 101,
              "birthday" : {
                    "month" : 5,
```

```
                "day" : 13,
                "year" : 1988
        },
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dcb24bec567aa371ae210f"),
        "name" : "Calvin Colorado",
        "home_state" : "Colorado",
        "luck_number" : 5,
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dcb92aec567aa371ae2110"),
        "name" : "Calvin Kentucky",
        "home_state" : "KY",
        "luck_number" : 6,
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{ "_id" : ObjectId("60dcca33ec567aa371ae2112"), "name" : "Minnesota Mox" }
> db.my_first_db.update({name: "Minnesota Mox"}, {$set: {interests: ["taxes",
"brunch", "MongoDB"]}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
```

```
        }
        {
                "_id" : ObjectId("60dbf335ec567aa371ae210b"),
                "name" : "Maine Mandy",
                "home_state" : "ME",
                "lucky_number" : "11",
                "birthday" : {
                        "month" : "3",
                        "day" : "20",
                        "year" : "1996"
                }
        }
        {
                "_id" : ObjectId("60dbf35dec567aa371ae210c"),
                "name" : "Minnesota Mox",
                "home_state" : "MN",
                "lucky_number" : "100",
                "birthday" : {
                        "month" : "4",
                        "day" : "19",
                        "year" : "1990"
                },
                "interests" : [
                        "taxes",
                        "brunch",
                        "MongoDB"
                ]
        }
        {
                "_id" : ObjectId("60dbf39fec567aa371ae210d"),
                "name" : "Maryland Mollie",
                "home_state" : "MD",
                "lucky_number" : 99,
                "birthday" : {
                        "month" : "5",
                        "day" : "11",
                        "year" : "1989"
                },
                "interests" : [
                        "coding",
                        "brunch",
                        "MongoDB"
                ]
```

```
        }
        {
                "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
                "name" : "Motown Mike",
                "home_state" : "MI",
                "lucky_number" : 101,
                "birthday" : {
                        "month" : 5,
                        "day" : 13,
                        "year" : 1988
                },
                "interests" : [
                        "coding",
                        "brunch",
                        "MongoDB"
                ]
        }
        {
                "_id" : ObjectId("60dcb24bec567aa371ae210f"),
                "name" : "Calvin Colorado",
                "home_state" : "Colorado",
                "luck_number" : 5,
                "interests" : [
                        "coding",
                        "brunch",
                        "MongoDB"
                ]
        }
        {
                "_id" : ObjectId("60dcb92aec567aa371ae2110"),
                "name" : "Calvin Kentucky",
                "home_state" : "KY",
                "luck_number" : 6,
                "interests" : [
                        "coding",
                        "brunch",
                        "MongoDB"
                ]
        }
        { "_id" : ObjectId("60dcca33ec567aa371ae2112"), "name" : "Minnesota Mox" }
        > db.my_first_db.update({name: "Minnesota Mox"}, {$set: {number_of_belts: 0 }})
        WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
        > db.my_first_db.find().pretty()
```

```
{
    "_id" : ObjectId("60dbf317ec567aa371ae210a"),
    "interests" : [
        "coding",
        "brunch",
        "MongoDB"
    ]
}
{
    "_id" : ObjectId("60dbf335ec567aa371ae210b"),
    "name" : "Maine Mandy",
    "home_state" : "ME",
    "lucky_number" : "11",
    "birthday" : {
        "month" : "3",
        "day" : "20",
        "year" : "1996"
    }
}
{
    "_id" : ObjectId("60dbf35dec567aa371ae210c"),
    "name" : "Minnesota Mox",
    "home_state" : "MN",
    "lucky_number" : "100",
    "birthday" : {
        "month" : "4",
        "day" : "19",
        "year" : "1990"
    },
    "interests" : [
        "taxes",
        "brunch",
        "MongoDB"
    ],
    "number_of_belts" : 0
}
{
    "_id" : ObjectId("60dbf39fec567aa371ae210d"),
    "name" : "Maryland Mollie",
    "home_state" : "MD",
    "lucky_number" : 99,
    "birthday" : {
        "month" : "5",
```

```
                "day" : "11",
                "year" : "1989"
        },
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
        "name" : "Motown Mike",
        "home_state" : "MI",
        "lucky_number" : 101,
        "birthday" : {
                "month" : 5,
                "day" : 13,
                "year" : 1988
        },
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dcb24bec567aa371ae210f"),
        "name" : "Calvin Colorado",
        "home_state" : "Colorado",
        "luck_number" : 5,
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dcb92aec567aa371ae2110"),
        "name" : "Calvin Kentucky",
        "home_state" : "KY",
        "luck_number" : 6,
        "interests" : [
                "coding",
```

```
            "brunch",
            "MongoDB"
        ]
}
{ "_id" : ObjectId("60dcca33ec567aa371ae2112"), "name" : "Minnesota Mox" }
> db.my_first_db.update({name: "Minnesota Mox"}, {$set: {number_of_belts: +1 }})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.my_first_db.find().pretty()
{
        "_id" : ObjectId("60dbf317ec567aa371ae210a"),
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{
        "_id" : ObjectId("60dbf335ec567aa371ae210b"),
        "name" : "Maine Mandy",
        "home_state" : "ME",
        "lucky_number" : "11",
        "birthday" : {
                "month" : "3",
                "day" : "20",
                "year" : "1996"
        }
}
{
        "_id" : ObjectId("60dbf35dec567aa371ae210c"),
        "name" : "Minnesota Mox",
        "home_state" : "MN",
        "lucky_number" : "100",
        "birthday" : {
                "month" : "4",
                "day" : "19",
                "year" : "1990"
        },
        "interests" : [
                "taxes",
                "brunch",
                "MongoDB"
        ],
```

```
            "number_of_belts" : 1
    }
    {
            "_id" : ObjectId("60dbf39fec567aa371ae210d"),
            "name" : "Maryland Mollie",
            "home_state" : "MD",
            "lucky_number" : 99,
            "birthday" : {
                    "month" : "5",
                    "day" : "11",
                    "year" : "1989"
            },
            "interests" : [
                    "coding",
                    "brunch",
                    "MongoDB"
            ]
    }
    {
            "_id" : ObjectId("60dc9e7cec567aa371ae210e"),
            "name" : "Motown Mike",
            "home_state" : "MI",
            "lucky_number" : 101,
            "birthday" : {
                    "month" : 5,
                    "day" : 13,
                    "year" : 1988
            },
            "interests" : [
                    "coding",
                    "brunch",
                    "MongoDB"
            ]
    }
    {
            "_id" : ObjectId("60dcb24bec567aa371ae210f"),
            "name" : "Calvin Colorado",
            "home_state" : "Colorado",
            "luck_number" : 5,
            "interests" : [
                    "coding",
                    "brunch",
                    "MongoDB"
```

```
        ]
}
{
        "_id" : ObjectId("60dcb92aec567aa371ae2110"),
        "name" : "Calvin Kentucky",
        "home_state" : "KY",
        "luck_number" : 6,
        "interests" : [
                "coding",
                "brunch",
                "MongoDB"
        ]
}
{ "_id" : ObjectId("60dcca33ec567aa371ae2112"), "name" : "Minnesota Mox" }
> Taking a break from MongoDB :)
```