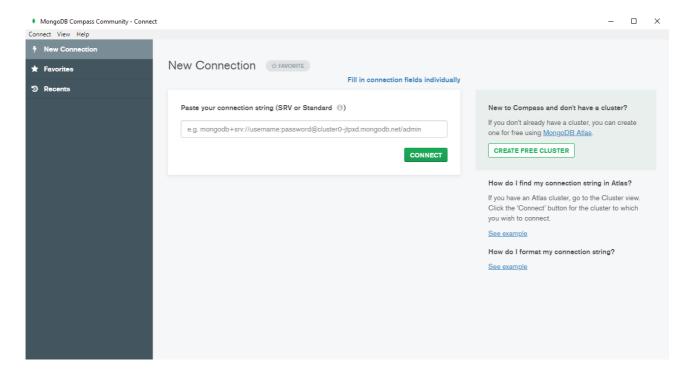
# Primeros pasos con Node.js y MongoDB

# Instalamos MongoDB



# Instalamos el controlador de MongoDB

```
Microsoft Windows [Versión 10.0.18362.592]
(c) 2019 Microsoft Corporation. Todos los derechos reservados.

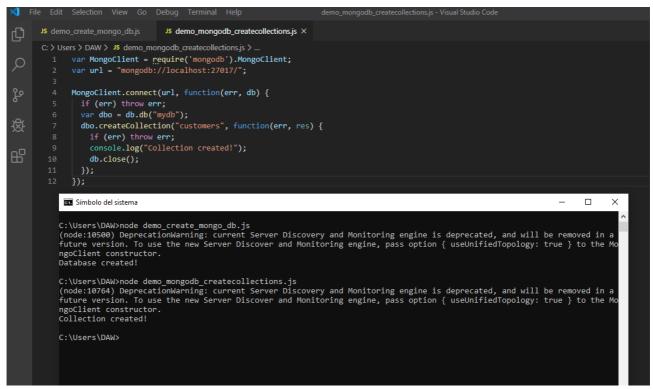
C:\Users\DAW>npm install mongodb
npm MARN saveError ENOENT: no such file or directory, open 'C:\Users\DAW\package.json'
npm motice created a lockfile as package-lock.json. You should commit this file.
npm MARN DAW No description
npm WARN DAW No description
npm WARN DAW No repository field.
npm WARN DAW No README data
npm WARN DAW No license field.

+ mongodb@3.5.2
added 20 packages from 11 contributors and audited 21 packages in 2.872s
found @ vulnerabilities

C:\Users\DAW>
```

A continuación creamos una base de datos

### Ahora creamos una colección:



Creamos también los inserts para introducir datos en la colección

### Insertamos múltiples documentos

```
📢 File Edit Selection View Go Debug Terminal Help
         JS demo_create_mongo_db.js
                                                   JS demo mongodb createcollections.is
                                                                                                           JS demo_mongodb_insert.js
                                                                                                                                                    JS demo_mongodb_insert_multiple.js X
         C: > Users > DAW > JS demo_mongodb_insert_multiple.js > .
            var MongoClient = require('mongodb').MongoClient;
Q
                  var url = "mongodb://localhost:27017/";
مع
                  MongoClient.connect(url, function(err, db) {
                      var dbo = db.db("mydb");
                      var myobj = [
  { name: 'John', address: 'Highway 71'},
  { name: 'Peter', address: 'Lowstreet 4'},
                        { name: 'Amy', address: 'Apple st 652'},
{ name: 'Hannah', address: 'Mountain 21'},
{ name: 'Michael', address: 'Valley 345'},
                        { name: 'Sandy', address: 'Ocean blvd 2'}, 
{ name: 'Betty', address: 'Green Grass 1'}, 
{ name: 'Richard', address: 'Sky st 331'},
                        { name: 'Susan', address: 'One way 98'},
{ name: 'Vicky', address: 'Yellow addre 2'},
                        { name: 'Ben', address: 'Park Lane 38'},
                        { name: 'William', address: 'Central st 954'},
                        { name: 'Chuck', address: 'Main Road 989'},
{ name: 'Viola', address: 'Sideway 1633'}
                       dbo.collection("customers").insertMany(myobj, function(err, res) {
                        if (err) throw err;
                          console.log("Number of documents inserted: " + res.insertedCount);
               (node:11712) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
               C:\Users\DAW>node demo_mongodb_insert_multiple.js
(node:4940) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover and Monitoring engine, pass option { useUnifiedTopology: true } to the Mon
               goClient constructor.
Number of documents inserted: 14
               C:\Users\DAW>
```

Practica 7.2

# Especificamos el campo ID

# Buscamos el objeto

```
JS demo_mongodb_insert.js
                                                                             JS demo_mongodb_insert_multiple.js
                                                                                                                                       JS demo_mongodb_insert_id.js
                                                                                                                                                                                      JS demo_mongodb_findone.js ×
C: > Users > DAW > JS demo_mongodb_findone.js > .
  1  var MongoClient = require('mongodb').MongoClient;
2  var url = "mongodb://localhost:27017/";
          MongoClient.connect(url, function(err, db) {
             var dbo = db.db("mydb");
dbo.collection("customers").findOne({}, function(err, result) {
  if (err) throw err;
                console.log(result.name);
        Símbolo del sistema
                                                                                                                                                                                                          ngoClient constructor
           ops: [
    { _id: 154, name: 'Chocolate Heaven' },
    { _id: 155, name: 'Tasty Lemon' },
    { _id: 156, name: 'Vanilla Dream' }
           ],
insertedCount: 3,
insertedIds: { '0': 154, '1': 155, '2': 156 }
       C:\Users\DAW>node demo_mongodb_findone.js
(node:3140) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover and Monitoring engine, pass option { useUnifiedTopology: true } to the Mon goclient constructor.
Company Inc
        C:\Users\DAW>
```

Practica 7.2

# Buscamos varios objetos

```
C: > Users > DAW > JS demo_mongodb_find.js > .
  var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";
       MongoClient.connect(url, function(err, db) {
           var dbo = db.db("mydb");
          dbo.collection("customers").find({}).toArray(function(err, result) {
              console.log(result);
              db.close();
       Símbolo del sistema
                                                                                                                                                                        C:\Users\DAW>node demo_mongodb_find.js
(node:9412) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discover and Monitoring engine, pass option { useUnifiedTopology: true } to the Mon
      goClient constructor.
             _id: 5e273e57297c492dc0d3a14d,
           name: 'Company Inc',
address: 'Highway 37
             _id: 5e273ef9a58d40134cc7089d,
           name: 'John',
address: 'Highway 71
             _id: 5e273ef9a58d40134cc7089e,
           name: 'Peter',
address: 'Lowstreet 4'
           _id: 5e273ef9a58d40134cc7089f, name: 'Amy',
           name: 'Amy',
address: 'Apple st 652'
             _id: 5e273ef9a58d40134cc708a0,
           name: 'Hannah',
address: 'Mountain 21'
```

Buscamos todos los objetos