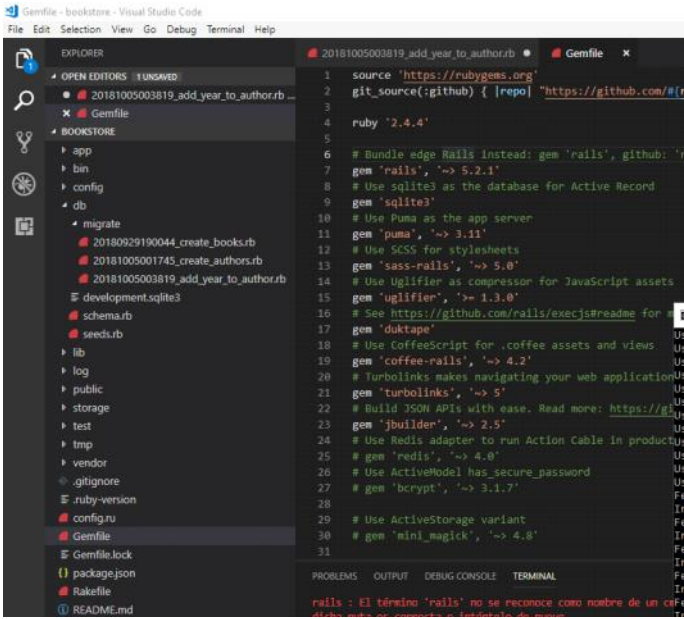


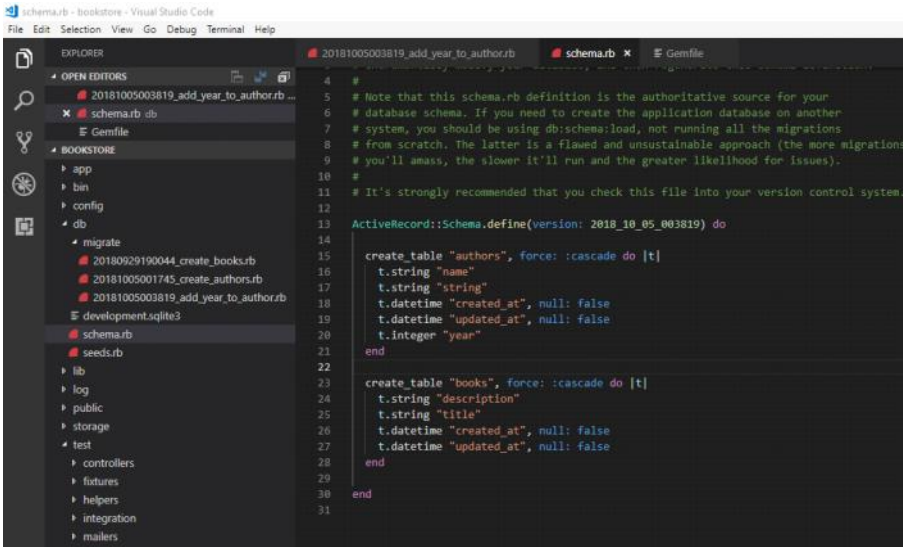
Para cambiar la version de ruby



Recorte de pantalla realizado: 4/10/2018 8:02 p.m.

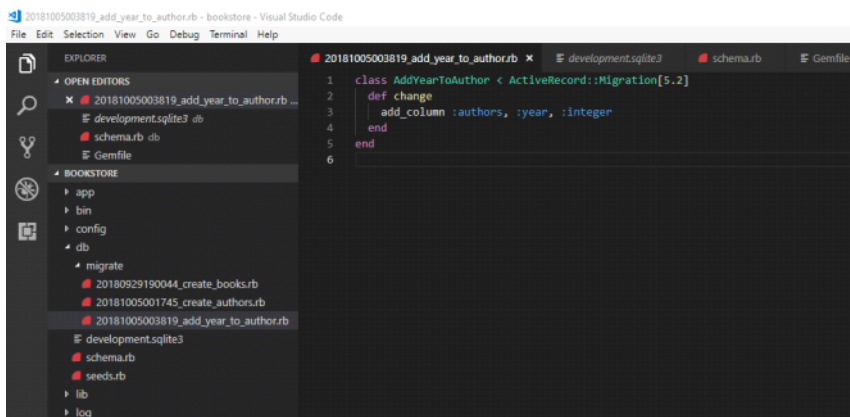
Luego si en la terminal no lo coge
Entonces se hace bundle install en cmd dentro de la carpeta del proyecto

Creamos un modelo con
Rails generate model author name:string



Recorte de pantalla realizado: 4/10/2018 8:21 p.m.

Aplicamos migracion
Rails db:migrate
Subimos servidor
Rails s
En la terminal
Rails generate migration AddYearToAuthor

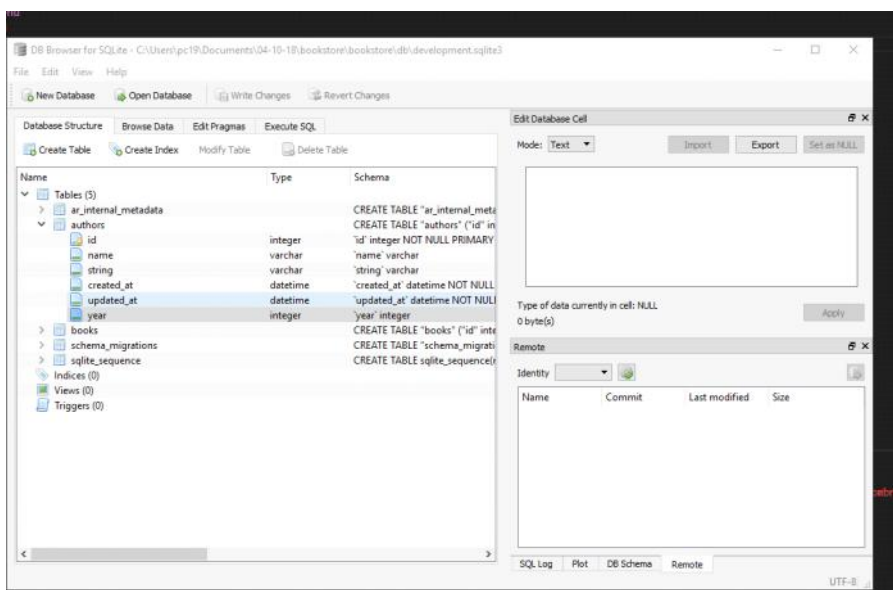


Recorte de pantalla realizado: 4/10/2018 8:23 p.m.

En terminal

Rails db:migrate

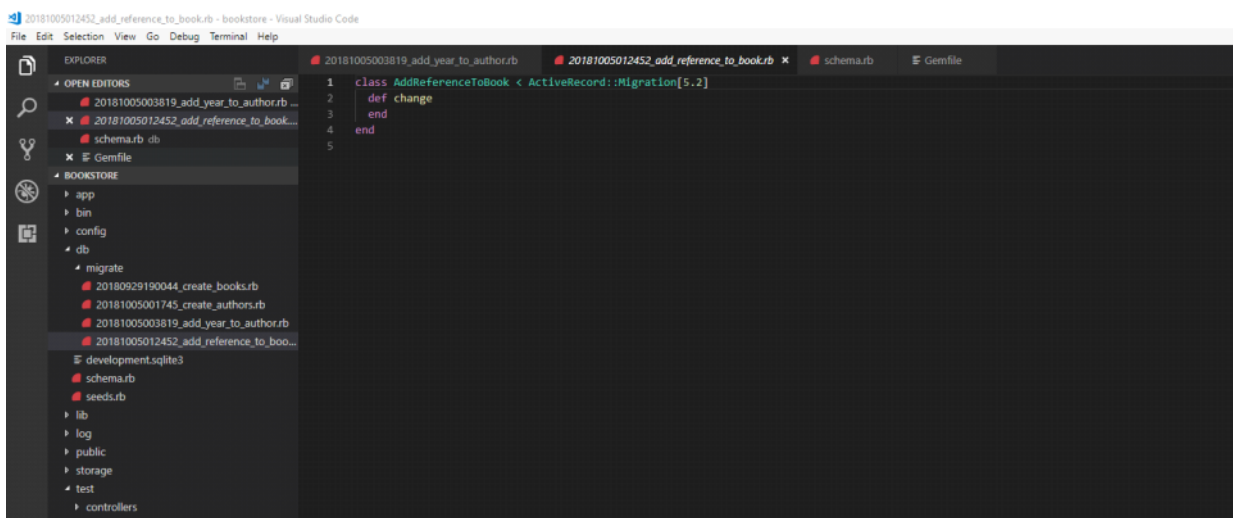
Vemos en sqlite



Recorte de pantalla realizado: 4/10/2018 8:24 p.m.

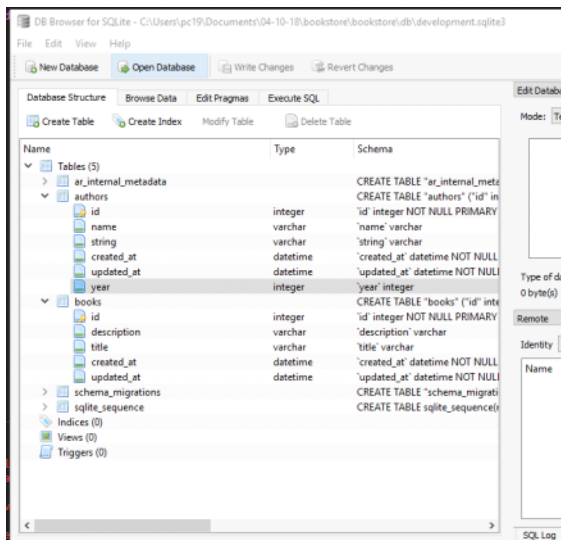
En terminal

rails g migration AddReferenceToBook



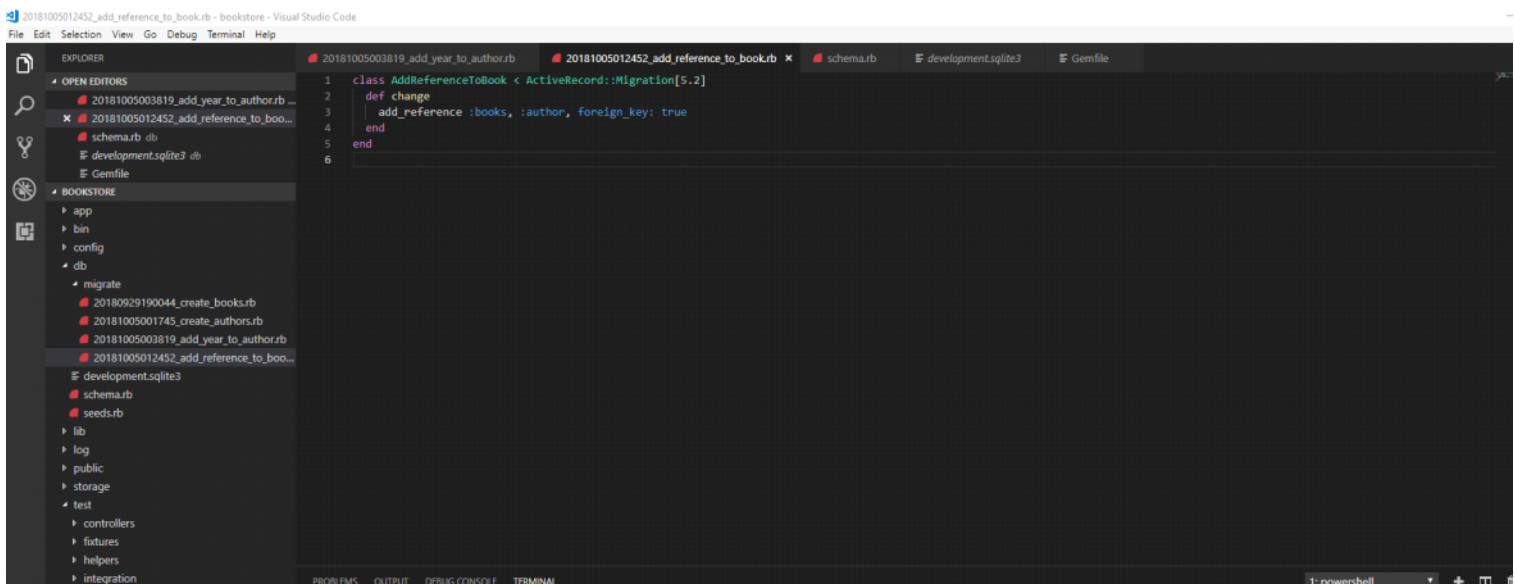
Recorte de pantalla realizado: 4/10/2018 8:25 p.m.

Mirar antes de



Recorte de pantalla realizado: 4/10/2018 8:30 p.m.

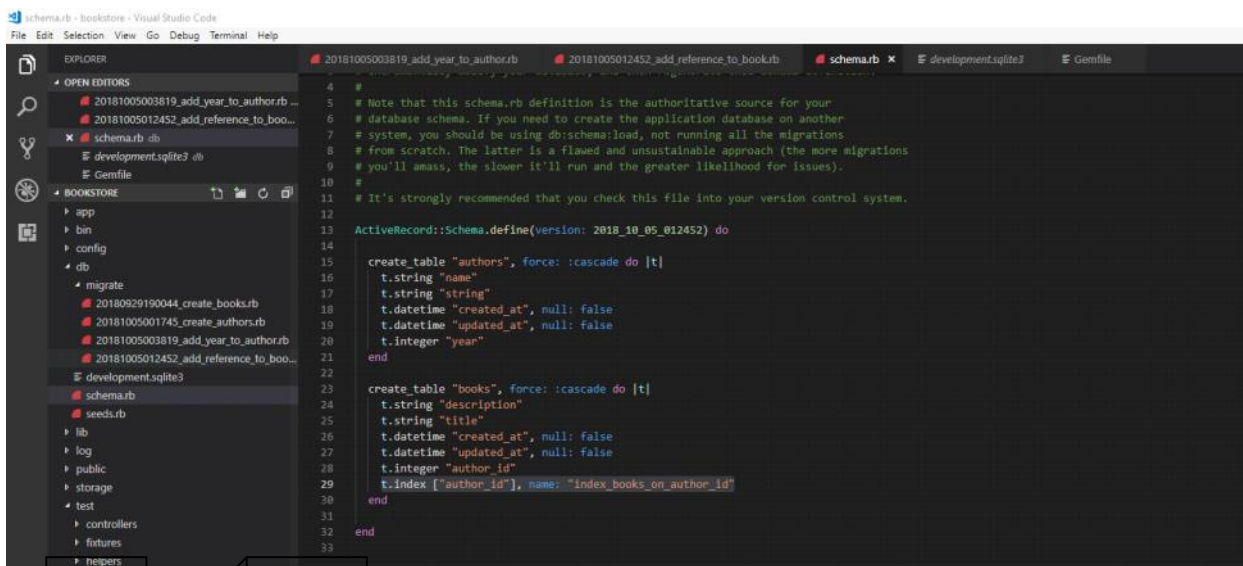
#agregar una relacion entre las tablas, foreing key es una relacion fuerte de uno a muchos, viene de id autor a muchos a libros



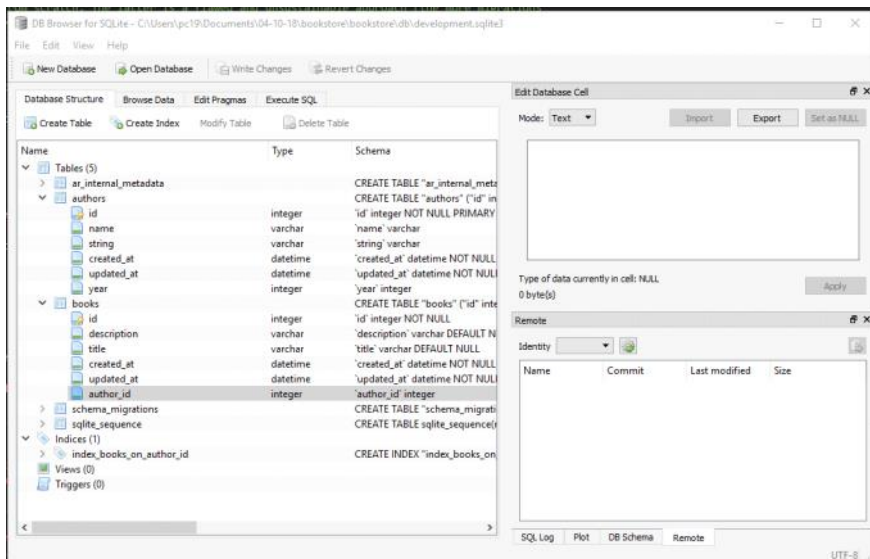
Recorte de pantalla realizado: 4/10/2018 8:38 p.m.

En la terminal

rails db:migrate



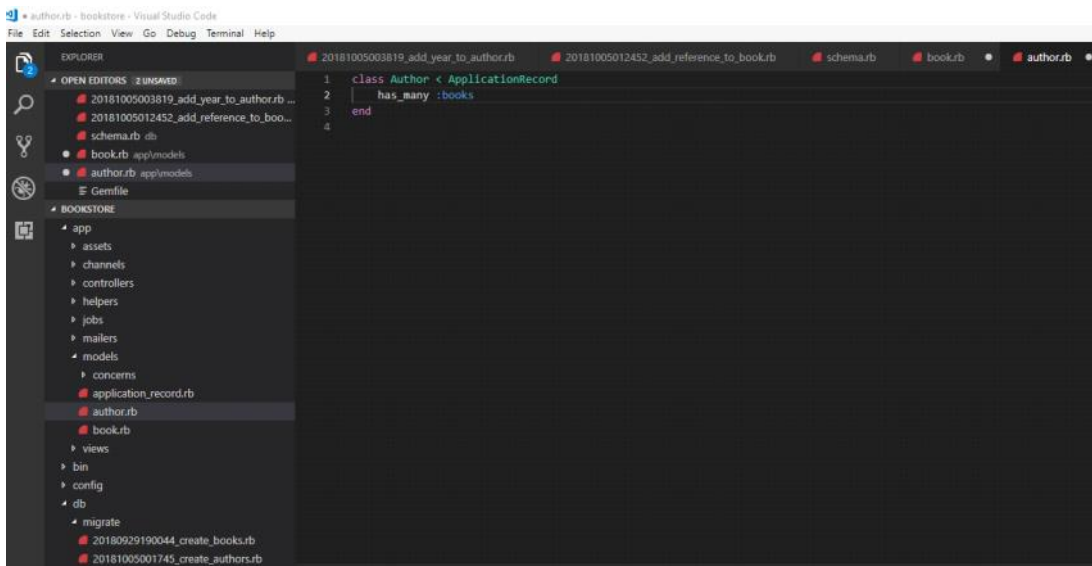
Recorte de pantalla realizado: 4/10/2018 8:39 p.m.



Recorte de pantalla realizado: 4/10/2018 8:40 p.m.

Por cada autor pueden haber varios libros por eso creamos una llave foranea author id

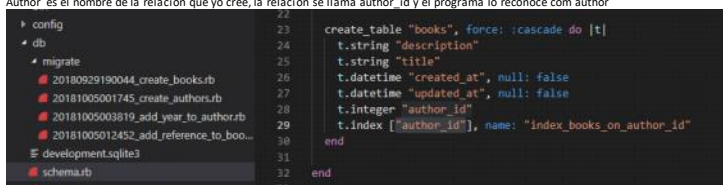
Books es según como se llama mi tabla en schema



Recorte de pantalla realizado: 4/10/2018 8:47 p.m.

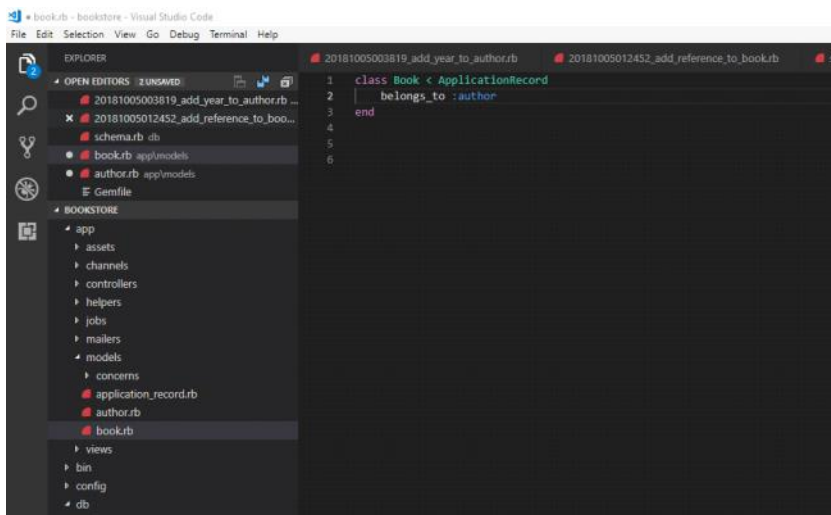
Ahora le enseñamos al libro que tiene un autor

Author es el nombre de la relacion que yo cree, la relacion se llama author_id y el programa lo reconoce con author



Recorte de pantalla realizado: 4/10/2018 8:53 p.m.

Por eso se pone author y no authors que es como se llama mi tabla



Recorte de pantalla realizado: 4/10/2018 8:52 p.m.

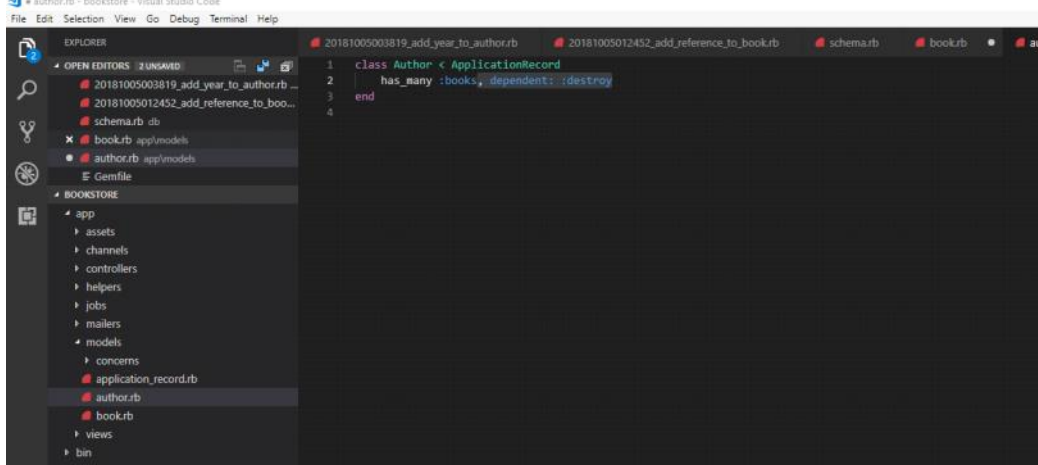
Agrego

, dependent: :destroy

Author libro tiene una dependencia de que si borro un author se me borren los libros que dependan de author

Dependencia de destrucción

Visual Studio Code



Recorte de pantalla realizado: 4/10/2018 8:55 p.m.

En terminal

Rails console

```
C:\Users\pc19\Documents\04-10-18\bookstore\bookstore>rails console
Loading development environment (Rails 5.2.1)
irb(main):001:0> Author.create(name: 'GGM', year: 1950)
```

Recorte de pantalla realizado: 4/10/2018 9:02 p.m.

```
C:\Users\pc19\Documents\04-10-18\bookstore\bookstore>rails console
Loading development environment (Rails 5.2.1)
irb(main):001:0> Author.create(name: 'GGM', year: 1950)
(0.0ms) begin transaction
Author Create (0.0ms) INSERT INTO "authors" ("name", "created_at", "updated_at", "year") VALUES (?, ?, ?, ?) [{"name": "GGM"}, [{"created_at": "2018-10-05 02:02:23.554300"}, [{"updated_at": "2018-10-05 02:02:23.554300"}, [{"year": 1950}]]
(78.1ms) commit transaction
=> #<Author id: 1, name: "GGM", string: nil, created_at: "2018-10-05 02:02:23", updated_at: "2018-10-05 02:02:23", year: 1950>
irb(main):002:0>
```

Recorte de pantalla realizado: 4/10/2018 9:02 p.m.

```
20181005003819_add_year_to_author.rb 20181005012452_add_reference_to_book.rb schema.rb book.rb author.rb x Gemfile
1 class Author < ApplicationRecord
2   has_many :books, dependent: :destroy
3 end
4

rails console
C:\Users\pc19\Documents\04-10-18\bookstore\bookstore>rails console
Loading development environment (Rails 5.2.1)
irb(main):001:0> Author.create(name: 'GGM', year: 1950)
(0.0ms) begin transaction
Author Create (0.0ms) INSERT INTO "authors" ("name", "created_at", "updated_at", "year") VALUES (?, ?, ?, ?) [{"name": "GGM"}, {"created_at", "2018-10-05 02:02:23.554300"}, {"updated_at", "2018-10-05 02:02:23.554300"}, {"year", 1950}]
(78.1ms) commit transaction
-> #<Author id: 1, name: "GGM", string: nil, created_at: "2018-10-05 02:02:23", updated_at: "2018-10-05 02:02:23", year: 1950>
irb(main):002:0>
```

Recorte de pantalla realizado: 4/10/2018 9:03 p.m.

Tocaba poner author = Author.create(name.....)

```
irb(main):002:0> Author.create(name: 'SGR', year: 1992)
(0.0ms) begin transaction
Author Create (0.0ms) INSERT INTO "authors" ("name", "created_at", "updated_at", "year") VALUES (?, ?, ?, ?) [{"name": "SGR"}, {"created_at", "2018-10-05 02:04:23.129560"}, {"updated_at", "2018-10-05 02:04:23.129560"}, {"year", 1992}]
(98.1ms) commit transaction
-> #<Author id: 2, name: "SGR", string: nil, created_at: "2018-10-05 02:04:23", updated_at: "2018-10-05 02:04:23", year: 1992>
irb(main):003:0>
```

Recorte de pantalla realizado: 4/10/2018 9:04 p.m.

| id | name | string | created_at | updated_at |
|----|------|--------|---------------------|---------------------|
| 1 | GGM | NULL | 2018-10-05 02:02:23 | 2018-10-05 02:02:23 |
| 2 | SGR | NULL | 2018-10-05 02:04:23 | 2018-10-05 02:04:23 |

Recorte de pantalla realizado: 4/10/2018 9:04 p.m.

como no puse author = entonces

author = Author.find(1)

Luego author.books

```
irb(main):004:0> author = Author.find(1)
Author Load (0.0ms) SELECT "authors".* FROM "authors" WHERE "authors"."id" = ? LIMIT ? [{"id", 1}, {"LIMIT", 1}]
-> #<Author id: 1, name: "GGM", string: nil, created_at: "2018-10-05 02:02:23", updated_at: "2018-10-05 02:02:23", year: 1950>
irb(main):005:0> author.books
Book Load (0.0ms) SELECT "books".* FROM "books" WHERE "books"."author_id" = ? LIMIT ? [{"author_id", 1}, {"LIMIT", 1}]
-> #<ActiveRecord::Associations::CollectionProxy []>
irb(main):006:0>
```

Recorte de pantalla realizado: 4/10/2018 9:11 p.m.

```
irb(main):006:0> author.books.create(title: 'CAS', description: 'd')
(0.0ms) begin transaction
Book Create (46.9ms) INSERT INTO "books" ("description", "title", "created_at", "updated_at", "author_id") VALUES (?, ?, ?, ?, ?) [{"description": "d"}, {"title", "CAS"}, {"created_at", "2018-10-05 02:12:55.791733"}, {"updated_at", "2018-10-05 02:12:55.791733"}, {"author_id", 1}]
(93.8ms) commit transaction
-> #<Book id: 7, description: "d", title: "CAS", created_at: "2018-10-05 02:12:55", updated_at: "2018-10-05 02:12:55", author_id: 1>
```

Recorte de pantalla realizado: 4/10/2018 9:13 p.m.

Hace una consulta

```
irb(main):007:0> author.books
Book Load (0.0ms) SELECT "books".* FROM "books" WHERE "books"."author_id" = ? LIMIT ? [{"author_id", 1}, {"LIMIT", 1}]
-> #<ActiveRecord::Associations::CollectionProxy [#<Book id: 7, description: "d", title: "CAS", created_at: "2018-10-05 02:12:55", updated_at: "2018-10-05 02:12:55", author_id: 1>]>
irb(main):008:0>
```

Recorte de pantalla realizado: 4/10/2018 9:14 p.m.

| id | description | title | created_at | updated_at | author_id |
|----|--------------------|------------------|-----------------|-----------------|-----------|
| 3 | Un libro de Gab... | Cien años de ... | 2018-09-29 1... | 2018-09-29 1... | NULL |
| 4 | A leer el libro | Mi libro cool | 2018-09-29 2... | 2018-09-29 2... | NULL |
| 5 | hola | Mi libro cool | 2018-09-29 2... | 2018-09-29 2... | NULL |
| 6 | jijhh | Carol | 2018-09-29 2... | 2018-09-29 2... | NULL |
| 7 | d | CAS | 2018-10-05 0... | 2018-10-05 0... | 1 |

Recorte de pantalla realizado: 4/10/2018 9:17 p.m.

Recorte de pantalla realizado: 4/10/2018 9:16 p.m.

Table:

authors

New RecordDelete Record

| | id | name | string | created_at | updated_at | |
|---|--------|--------|--------|-----------------|-----------------|--------|
| | Filter | Filter | Filter | Filter | Filter | Filter |
| 1 | 1 | GGM | NULL | 2018-10-05 0... | 2018-10-05 0... | 1996 |
| 2 | 2 | SGR | NULL | 2018-10-05 0... | 2018-10-05 0... | 1992 |
| | | | | | | |

Recorte de pantalla realizado: 4/10/2018 9:17 p.m.

Recorte de pantalla realizado: 4/10/2018 8:59 p.m.

Recorte de pantalla realizado: 4/10/2018 8:59 p.m.

Recorte de pantalla realizado: 4/10/2018 8:46 p.m.

Recorte de pantalla realizado: 4/10/2018 8:45 p.m.

Recorte de pantalla realizado: 4/10/2018 8:40 p.m.