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| 2020/11/10 |
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# Migration

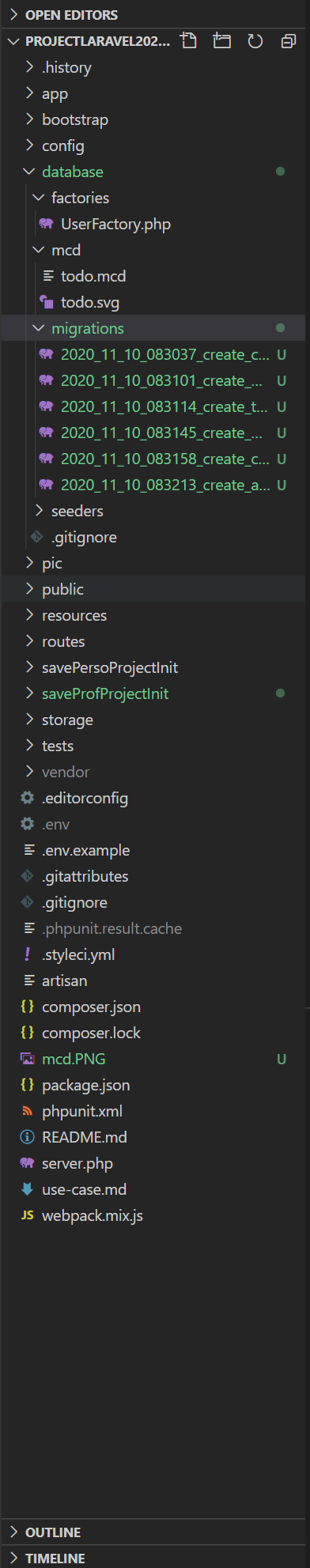
## Migration overview:

The first advantage of Migration is to create database in a Laravel script rather than in PhpMyAdmin or in a SQL file.

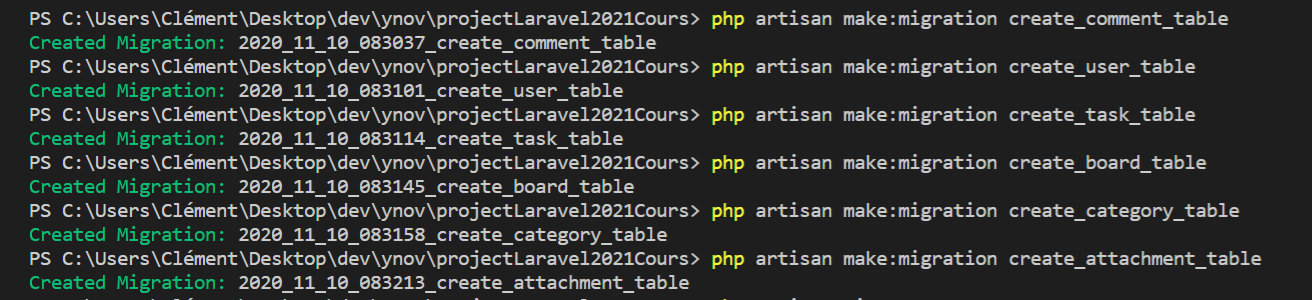
The second advantage is to be able to control versioning of our database and make easier collective work.

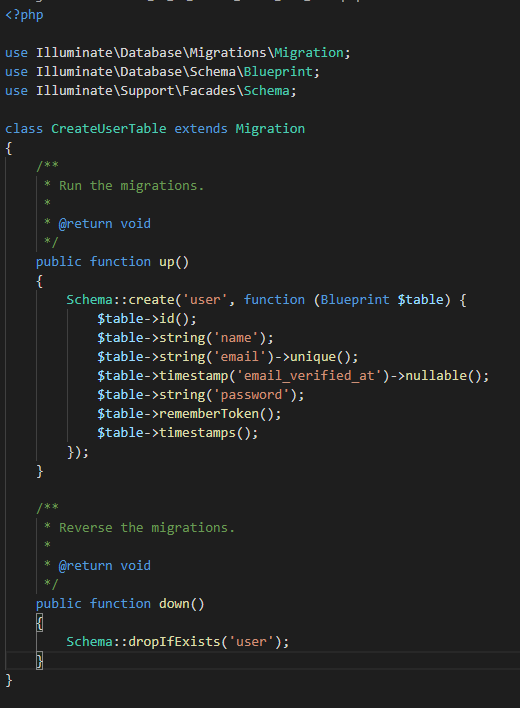
## Manipulations performed:

First of all, we have to go to migration files emplacement, in database/migration.



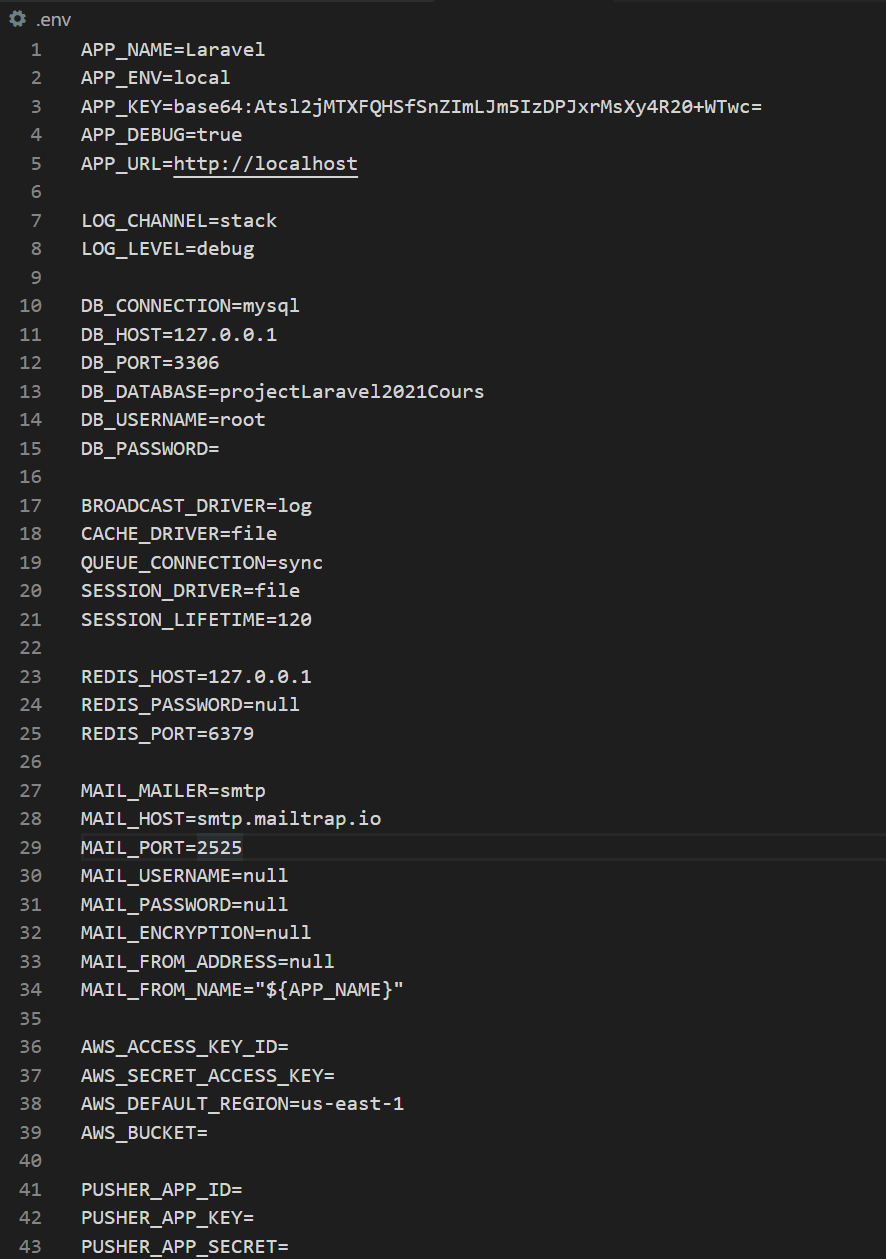
We have now to create one file by table with the following command:

* php artisan make:migration create\_tableName\_table

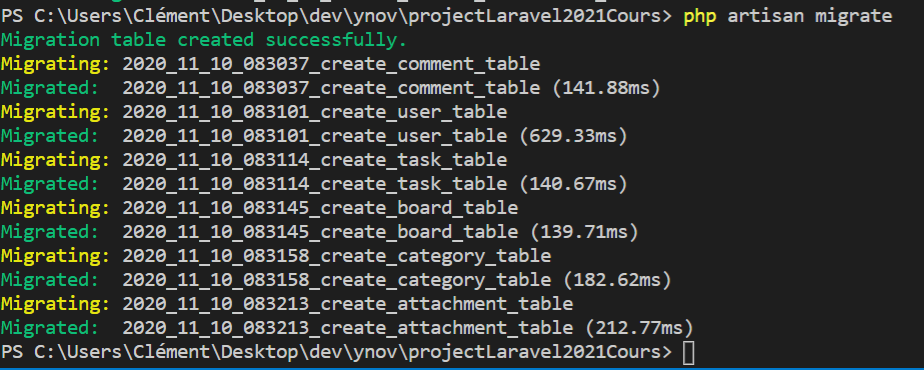
In these created files we can add our tables.

Before to migrate our new tables, we have to create a new database in php MyAdmin and modify the following line with the database name in .env file:

* DB\_DATABASE=databaseName



We are now ready to migrate our tables using this command:

* php artisan migrate

The result in the database:



## What went wrong:

* Nothing particular.

# Seeder

## Seeder overview:

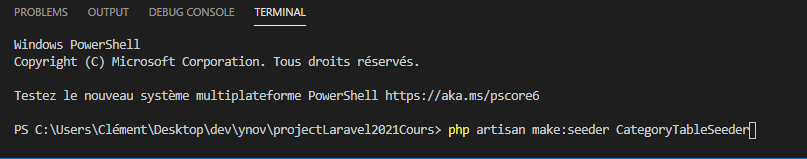
Seeders files allow to add initial and test data in the database.

## Manipulations performed:

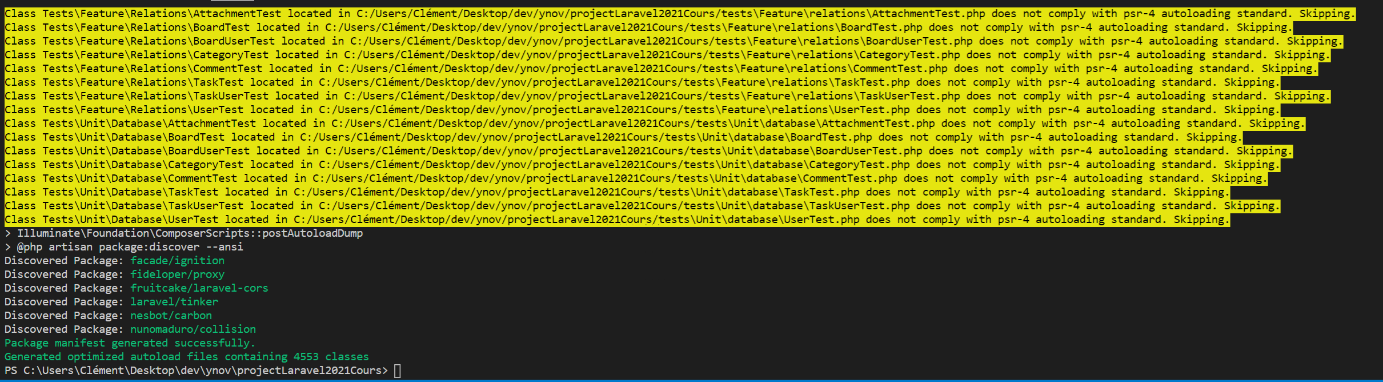
We can accede to seeders in going to database/seeders.

The second step is to create new files:

* Php artisan make:seeder nameSeedTableSeeder

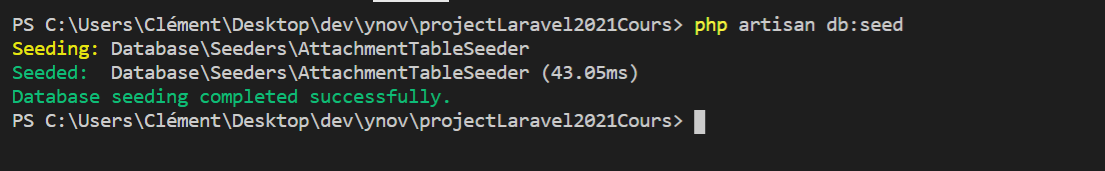


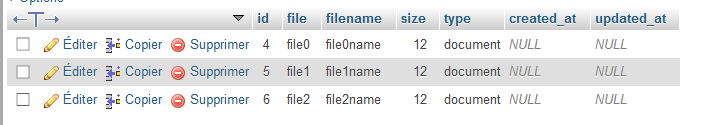
Dump-Autoload generates autoload of the project:

* composer dump-autoload

We can now add data to database:

* Php artisan db:seed





## What went wrong:

* I started to create seeders files manually without the php artisan command, so it does not work … Excepted that, everything was OK.

# Eloquent

## Eloquent overview:

## Manipulations performed:

## What went wrong:

# Factory

## Factory overview:

## Manipulations performed:

## What went wrong: