



DIFFERENCE BETWEEN FACTORY AND SEEDERS IN LARAVEL

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Factory and Seeders both are used to generate Fake or Test data. When you use Factory and Seeders, then you don't need to add manually data to your database.

SEEDERS

What are Seeders?

Seeder is a Class. Seeder is used to create Fake or Test data by using **table name**.

How to Create Seeders in Laravel?

We run an Artisan command `make:seeder` , So Let's start step by step.

Step 1: Run an Artisan command

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```
* @return void
*/
public function run()
{
    // Using Modal
    $users = [
        [
            'name' => Str::random(8),
            'email' =>
Str::random(9).'@gmail.com',
            'password' =>
Hash::make('password')
        ],
        [
            'name' => Str::random(8),
            'email' =>
Str::random(9).'@gmail.com',
            'password' =>
Hash::make('password')
        ]
    ];
}
```

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```
        ],  
    ],  
);  
}  
}
```



Now open the `database/seeds/DatabaseSeeder.php` file and add `UsersSeeder`.

```
<?php  
#database/seeds/DatabaseSeeder.php  
  
namespace Database\Seeders;  
  
use Illuminate\Database\Seeder;  
  
class DatabaseSeeder extends Seeder  
{  
    /**  
     * Seed the application's database  
     */  
}
```

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		id	name	email	email_verified_at	password	remember_token	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	V5ibQvpvZf	4rug3m8cw@gmail.com	NULL	\$2y\$10\$Yv0yAjlX2pLvw9BtmQeiqYYjn3CM2LzOVe0.77VR...	NULL	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	z0T3AqYHWw	BU63PNVErt@gmail.com	NULL	\$2y\$10\$xD A/62rgswg5Oi u7u5ouoC9XoN5Qg5vR4QWDC/hur...	NULL	NULL	NULL

seeders fake or test data

FACTORY

What is Factory?

The factory is a **helper** function. The Factory is used to create **Fake or Test data** by using the **Model**. A factory is also a **global object**. The factory uses a Faker class to **generate dummy** data. Factory can also generate **relationship** data with the Model which the **seeder can't do**.

How to Create Factories?

We run an Artisan command `make:factory` , So Let's start step by step.

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```
* The name of the factory's corresponding
model.
*
* @var string
*/
protected $model = Posts::class;

/**
 * Define the model's default state.
 *
 * @return array
 */
public function definition()
{
    return [
        'title' => $this->faker->title,
        'description' => $this->faker->text
    ];
}
```

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```
//Added
    }
}
```



Then go to the CLI and run the below command.

```
php artisan db:seed
```

Database seeding completed successfully.

					id	title	description	created_at	updated_at
<input type="checkbox"/>					1	Dr.	Corrupti est est animi. Sint laboriosam sit quis a...	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					2	Prof.	Voluptas sequi nulla nihil suscipit rem reprehende...	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					3	Dr.	Minima ex aut voluptas autem. Voluptas molestiae v...	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					4	Dr.	Aut nulla distinctio enim nesciunt et nostrum. Sun...	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					5	Dr.	Dicta nostrum magnam velit accusamus. Eaque fugiat...	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					6	Mr.	Odio ratione et cumque quibusdam omnis aut nulla.	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					7	Prof.	Suscipit reprehenderit consectetur ea nulla dolore...	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					8	Prof.	Id sapiente vel nobis ad eius. Dolore rerum iste i...	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					9	Mrs.	Blanditiis iure architecto reiciendis. Sunt quos m...	2022-09-05 06:05:30	2022-09-05 06:05:30
<input type="checkbox"/>					10	Ms.	Voluptatum quia iusto nesciunt adipisci praesentiu...	2022-09-05 06:05:30	2022-09-05 06:05:30

factory fake or test data

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<https://devnote.in/difference-between-factory-and-seeders-in-laravel>

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