Objective : 01

Create a project:
Cmd > Composer create-project laravel/laravel laravel-bookstore

Open Project:
cd laravel-bookstore

Code .

> will open in vs code
> .cnv.example >copy all>create> .cnv>paste all
> edit
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=laravel
DB_USERNAME=root
DB_PASSWORD=

> New Terminal
> composer install
> php artisan key:generate
> php artisan migrate
> php artisan serve
>laravel homepage

Objective : 01 is done

Object:02

((Create model, controller,factory,migration at a time))

terminal> php artisan make:model Book -cfm

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1. database>migration>date

```php
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('books', function (Blueprint $table) {
            $table->id();
            $table->string('title', 255);
            $table->string('author', 255);
            $table->string('isbn', 13);
            $table->smallInteger('stock')->default(0);
            $table->float('price', 8)->nullable();
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('books');
    }
};
```

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2. database>factories>BookFactory

```php
<?php

namespace Database\Factories;

use Illuminate\Database\Eloquent\Factories\Factory;

/**
 * @extends \Illuminate\Database\Eloquent\Factories\Factory<\App\Models\Book>
 */
class BookFactory extends Factory
{
    /**
     * Define the model's default state.
     *
     * @return array<string, mixed>
     */
    public function definition(): array
    {
        return [
            'title' => fake()->sentence,
            'author' => fake()->name,
            'isbn' => fake()->isbn13(),
            'stock' => fake()->numberBetween(1, 10),
            'price' => fake()->randomFloat(2, 10, 100),
        ];
    }
}
```

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3. database>seeders>Databaseseeder.php

```php
<?php

namespace Database\Seeders;

use App\Models\Book;
use App\Models\User;
// use Illuminate\Database\Console\Seeds\WithoutModelEvents;
use Illuminate\Database\Seeder;

class DatabaseSeeder extends Seeder
{
    /**
     * Seed the application's database.
     */
    public function run(): void
    {
        // User::factory(10)->create();

        User::factory()->create([
            'name' => 'Test User',
            'email' => 'test@example.com',
        ]);

        Book::factory()->count(200)->create();
    }
}
```

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php artisan migrate

php artisan db:seed data