

Objective : 01

Create a project:

Cmd > Composer create-project laravel/laravel laravel-employeemanagment

Open Project:

cd laravel-employeemanagment

Code .

> will open in vs code

> .env.example >copy all>create> .env>paste all

> edit

DB\_CONNECTION=mysql

DB\_HOST=127.0.0.1

DB\_PORT=3306

DB\_DATABASE=employeemanagment

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

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Object:02

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

terminal> php artisan make:model employeemanagment -cfm

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1. database>migration>date

<?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('employees', function (Blueprint $table) {
            $table->id();
            $table->string('name', 255);
            $table->string('job_title', 100);
            $table->date('joining_date');
            $table->float('salary', 8);
            $table->string('email', 255)->nullable();
            $table->string('mobile_no');
            $table->text('address');
            $table->timestamps();
        });
    }

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

---

2. database>factories>EmployeeFactory

<?php

namespace Database\Factories;

use Illuminate\Database\Eloquent\Factories\Factory;

```
/**
 * @extends \Illuminate\Database\Eloquent\Factories\Factory<\App\Models\Employee>
 */
class EmployeeFactory extends Factory
{
    /**
     * Define the model's default state.
     *
     * @return array<string, mixed>
     */
    public function definition(): array
    {
        return [
            'name' => fake()->name,
            'job_title' => fake()->jobTitle,
            'joining_date' => fake()->date(),
            'salary' => fake()->randomFloat(2, 30000, 100000),
            'email' => fake()->safeEmail,
            'mobile_no' => fake()->phoneNumber,
            'address' => fake()->address,
        ];
    }
}
```

---

3. database>seeders>Databaseseeder.php

```
<?php
```

```
namespace Database\Seeders;
```

```
use App\Models\Employee;
```

```
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',
```

```
        // ]]);
```

```
        Employee::factory()->count(100)->create();
```

```
    }
```

```
}
```

---

```
php artisan migrate
```

```
php artisan db:seed data
```