

Types of Routes

Types of Routes in Laravel

- Web Routes
- API Routes
- Console Routes
- Channel routes

Web Routes

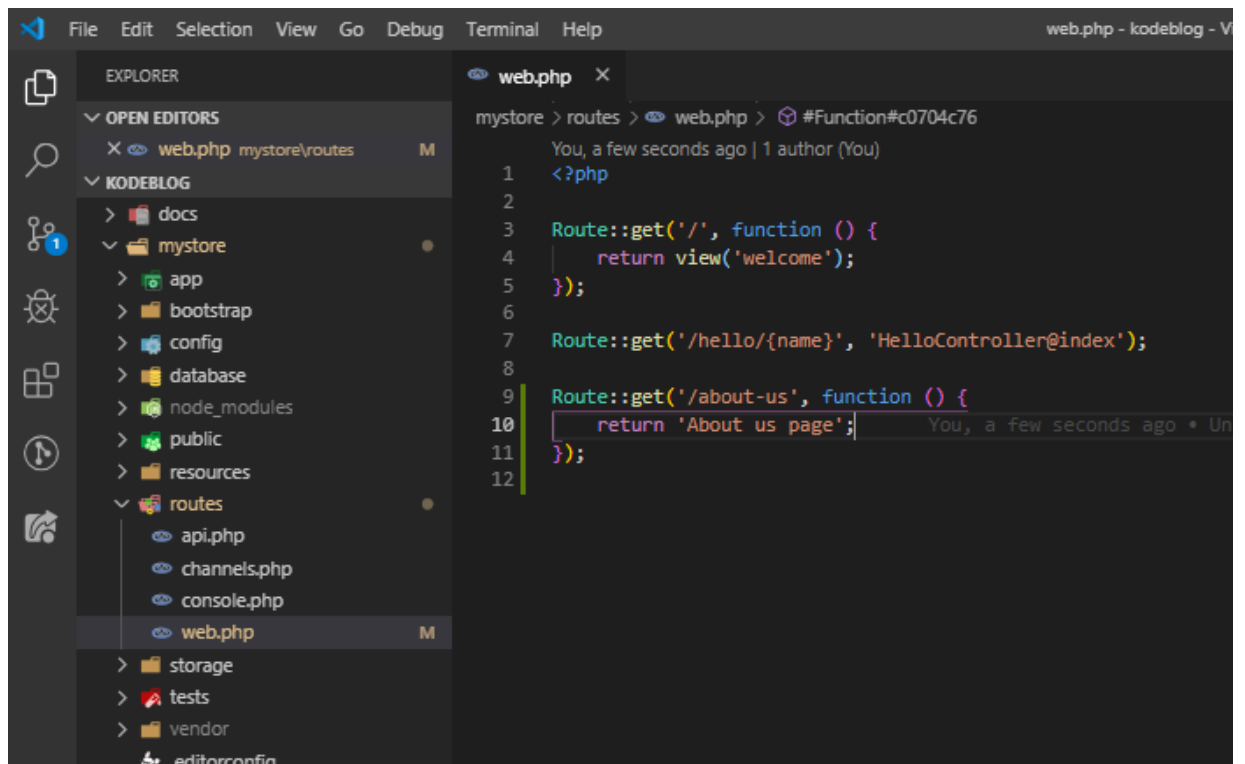
Description

- Web routes respond to requests that come from web browsers.
- The file for web routes is located in `/routes/web.php`

Example

Create a Web Route

- In VSC, open file `codeblog\mystore\routes\web.php`
- Add `about-us` Route



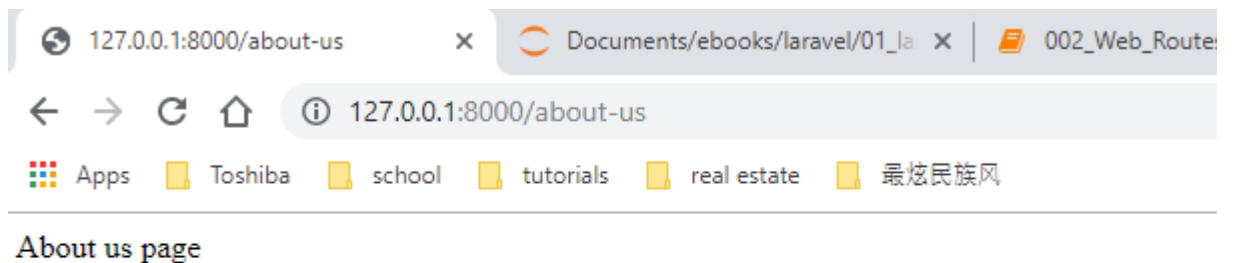
Start Server

- In cmd

```
cd mystore
php artisan serve
```

Test Route

- In browser, access <http://127.0.0.1:8000/about-us>



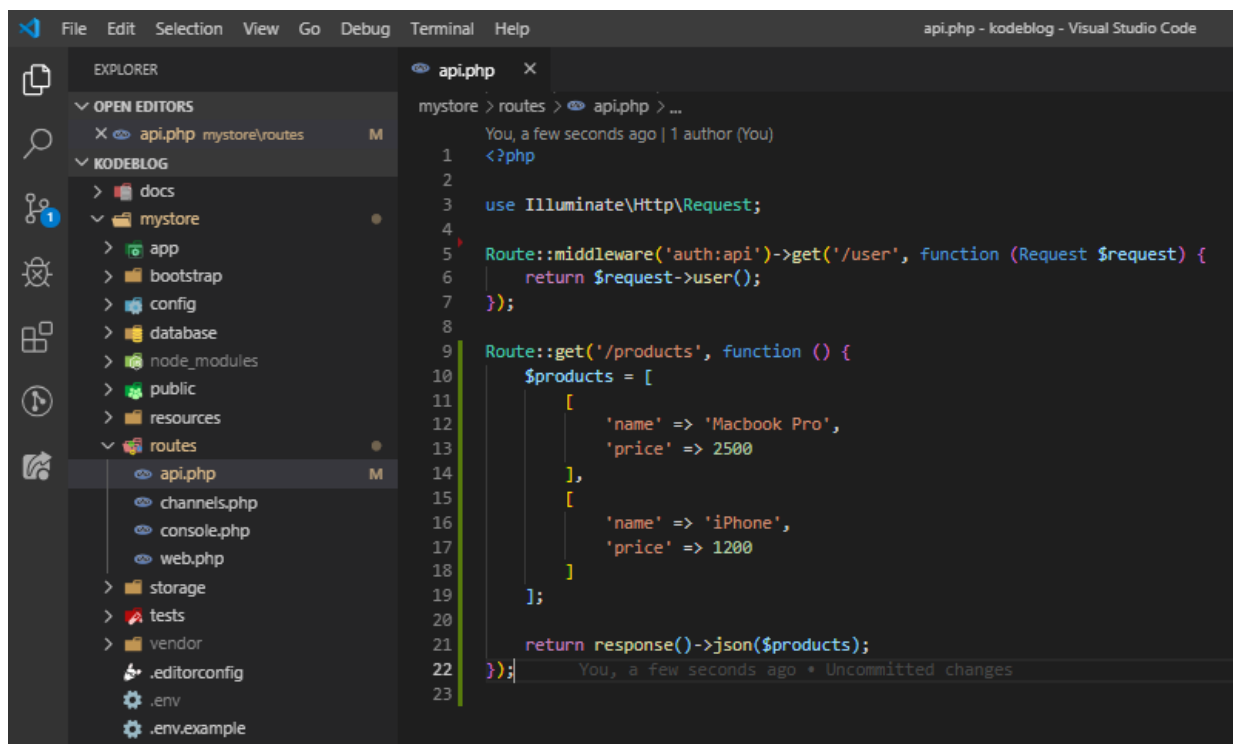
API Routes

Description

- API standards for Application Programming Interface.
- API are used when more than one system need to communicate.
- For example
 - You can have a web application with ecommerce data
 - You create a mobile application that should have access to the data that is created in the website.
 - You can use an API to do that.
- By default, most APIs work with JSON. In this section, we will create a simple API route that returns a JSON object.
- The file for api routes is located in `/routes/api.php`

Create a API Route

- In VSC, open file `codeblog\mystore\routes\api.php`
- Add production route



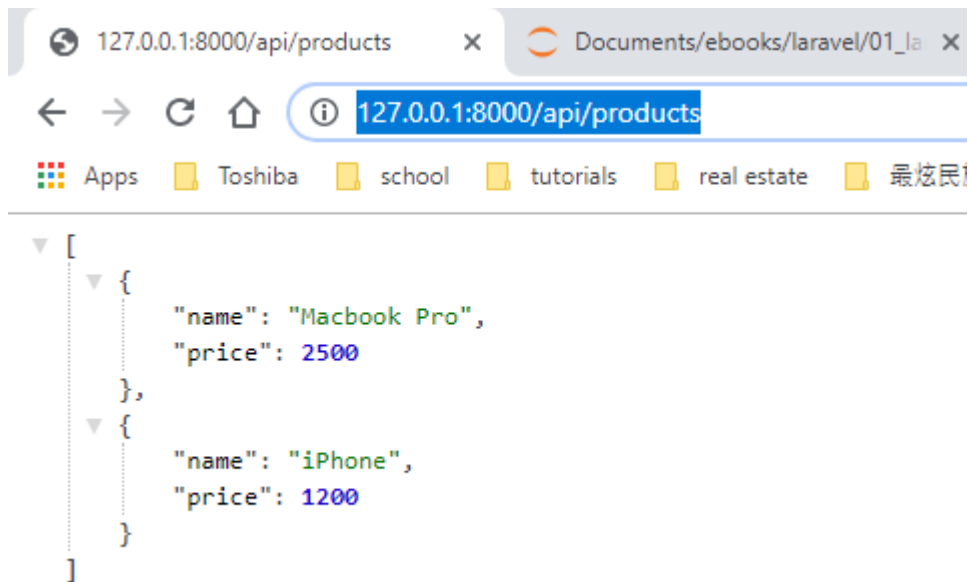
```
File Edit Selection View Go Debug Terminal Help api.php - codeblog - Visual Studio Code

EXPLORER
OPEN EDITORS
  X api.php mystore/routes M
CODEBLOG
  > docs
  > mystore
    > app
    > bootstrap
    > config
    > database
    > node_modules
    > public
    > resources
    > routes
      X api.php M
      channels.php
      console.php
      web.php
    > storage
    > tests
    > vendor
    .editorconfig
    .env
    .env.example

mystore > routes > api.php > ...
You, a few seconds ago | 1 author (You)
1 <?php
2
3 use Illuminate\Http\Request;
4
5 Route::middleware('auth:api')->get('/user', function (Request $request) {
6     return $request->user();
7 });
8
9 Route::get('/products', function () {
10     $products = [
11         [
12             'name' => 'Macbook Pro',
13             'price' => 2500
14         ],
15         [
16             'name' => 'iPhone',
17             'price' => 1200
18         ]
19     ];
20
21     return response()->json($products);
22 });
23
```

Test API Route

- In browser, access `http://127.0.0.1:8000/api/products`



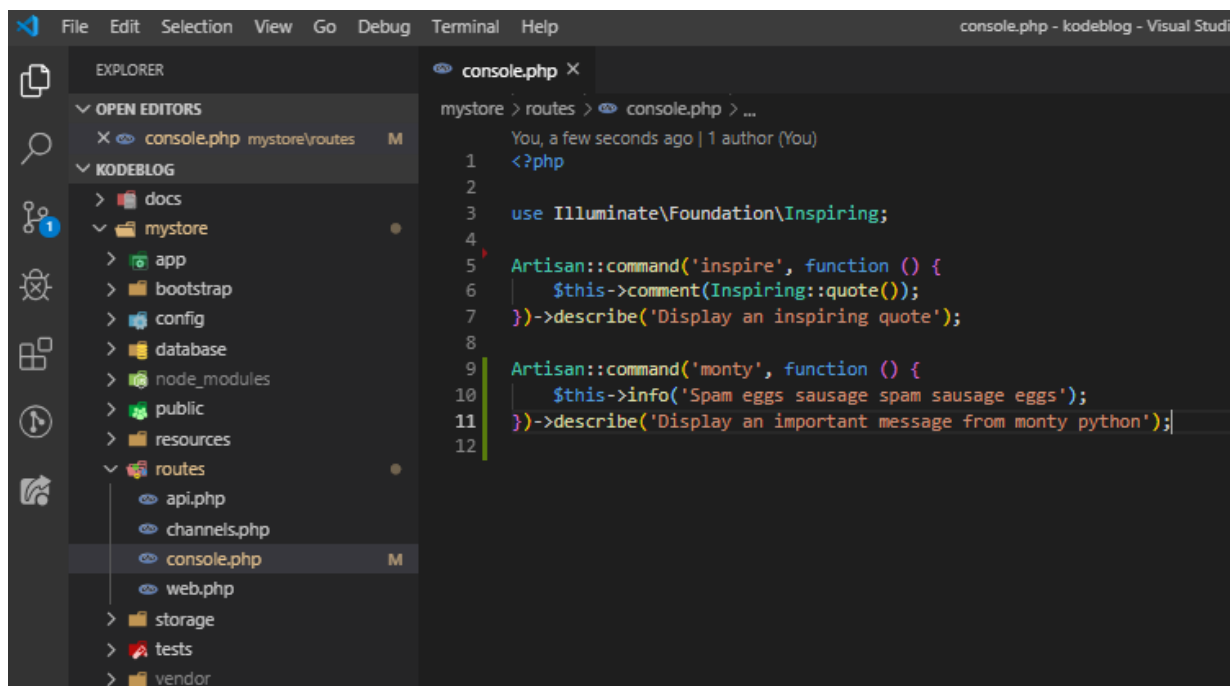
Console Routes

Description

- In this section, we will create a simple console route that we will call from the terminal
- The file for api routes is located in `/routes/console.php`

Create Console Route

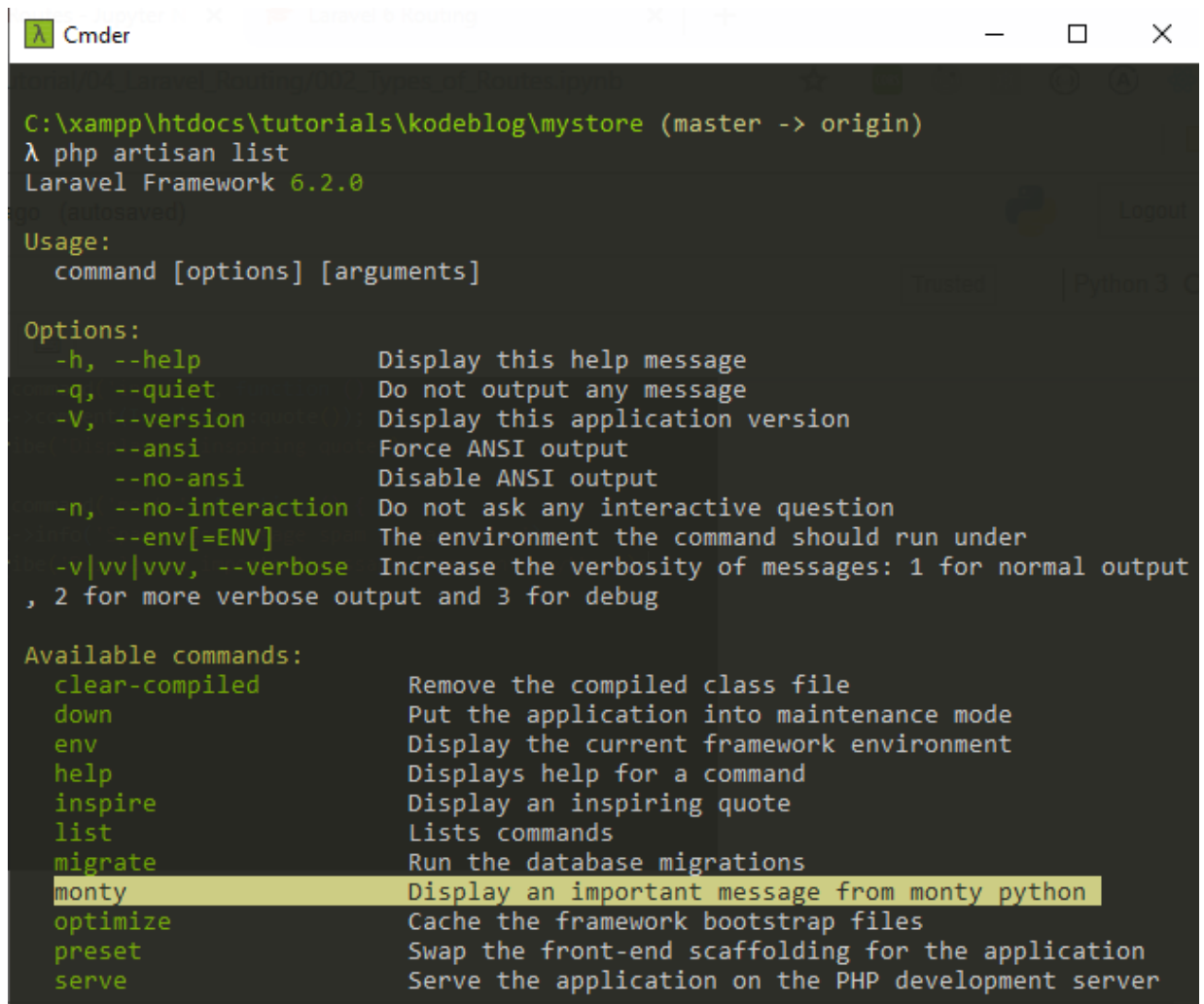
- In VSC, open file `codeblog\mystore\routes\console.php`
- Add route `monty`



Show Command monty

- In cmdr

```
php artisan list
```



```
C:\xampp\htdocs\tutorials\kodeblog\mystore (master -> origin)
λ php artisan list
Laravel Framework 6.2.0
no (autosaved)
Usage:
  command [options] [arguments]

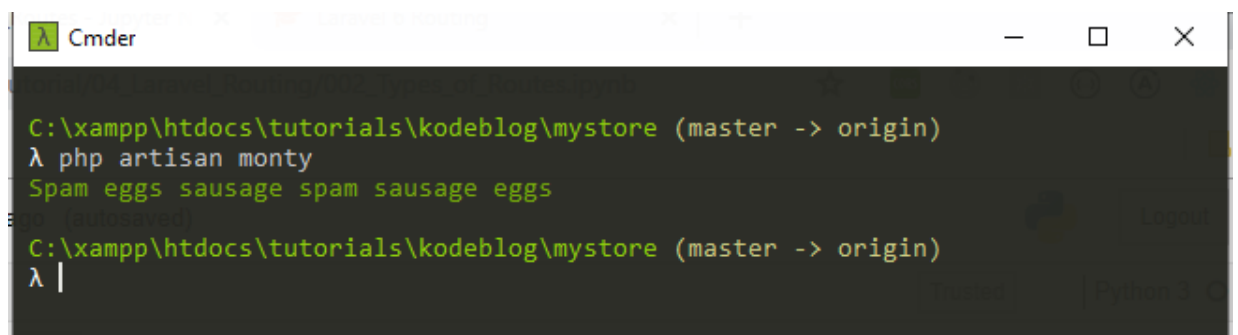
Options:
  -h, --help                Display this help message
  -q, --quiet                Do not output any message
  -V, --version              Display this application version
      --ansi                 Force ANSI output
      --no-ansi              Disable ANSI output
  -n, --no-interaction       Do not ask any interactive question
      --env[=ENV]            The environment the command should run under
  -v|vv|vvv, --verbose       Increase the verbosity of messages: 1 for normal output
                              , 2 for more verbose output and 3 for debug

Available commands:
  clear-compiled             Remove the compiled class file
  down                       Put the application into maintenance mode
  env                        Display the current framework environment
  help                       Displays help for a command
  inspire                    Display an inspiring quote
  list                       Lists commands
  migrate                     Run the database migrations
  monty                      Display an important message from monty python
  optimize                   Cache the framework bootstrap files
  preset                     Swap the front-end scaffolding for the application
  serve                       Serve the application on the PHP development server
```

Applying monty

- In cmdr

```
php artisan monty
```



```
C:\xampp\htdocs\tutorials\kodeblog\mystore (master -> origin)
λ php artisan monty
Spam eggs sausage spam sausage eggs
no (autosaved)
C:\xampp\htdocs\tutorials\kodeblog\mystore (master -> origin)
λ |
```

Commit Step

In []: