Types of Routes

Types of Routes in Laravel

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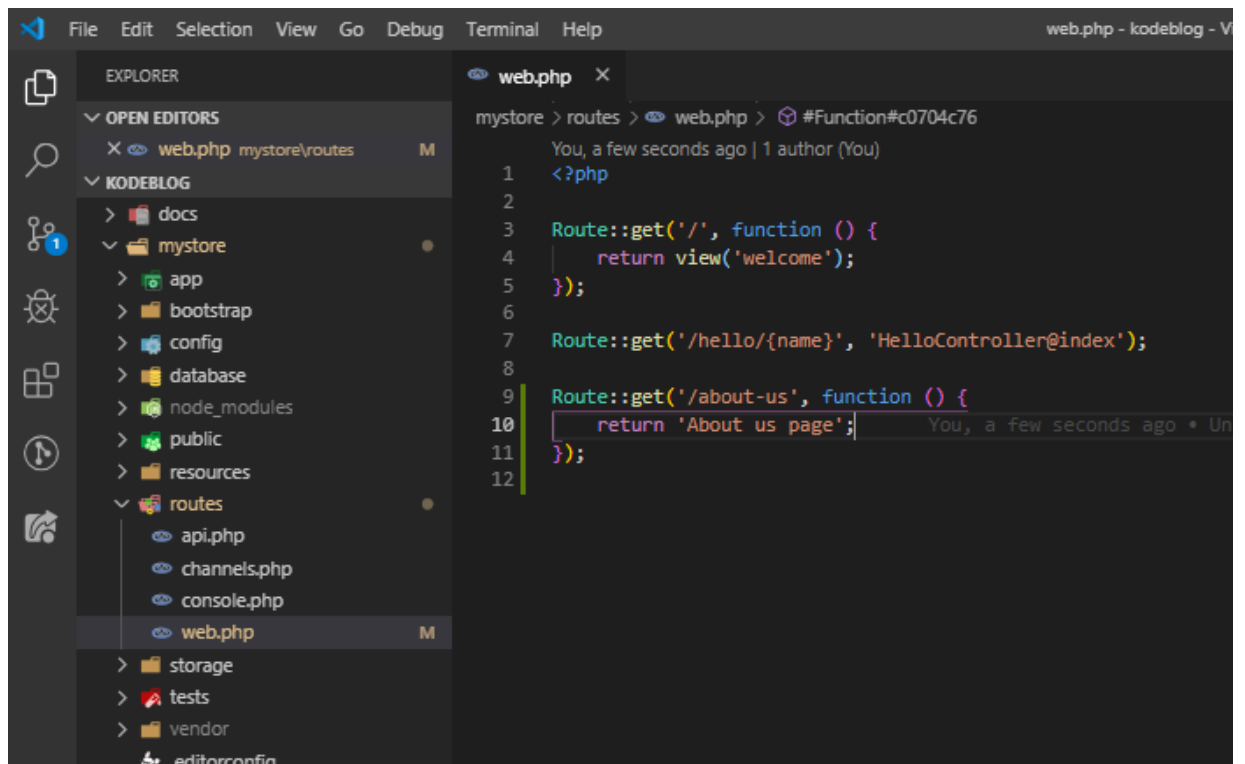- Channel routes

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 `kodeblog\mystore\routes\web.php`
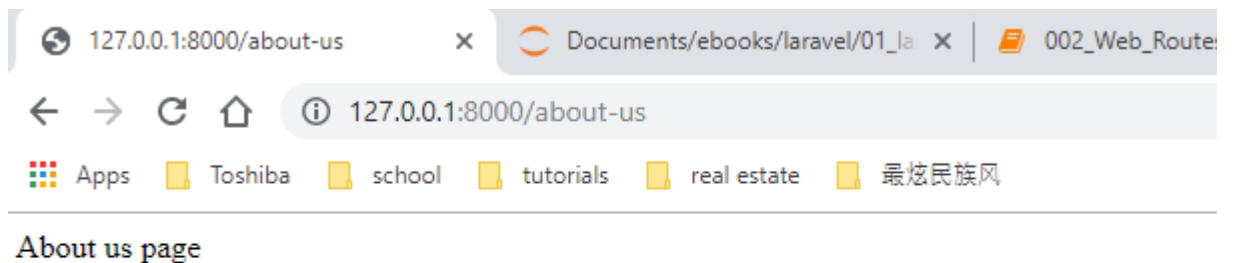- Add `about-us` Route

Start Server

- In `cmder`

  ```
  cd mystore
  php artisan serve
  ```

Test Route

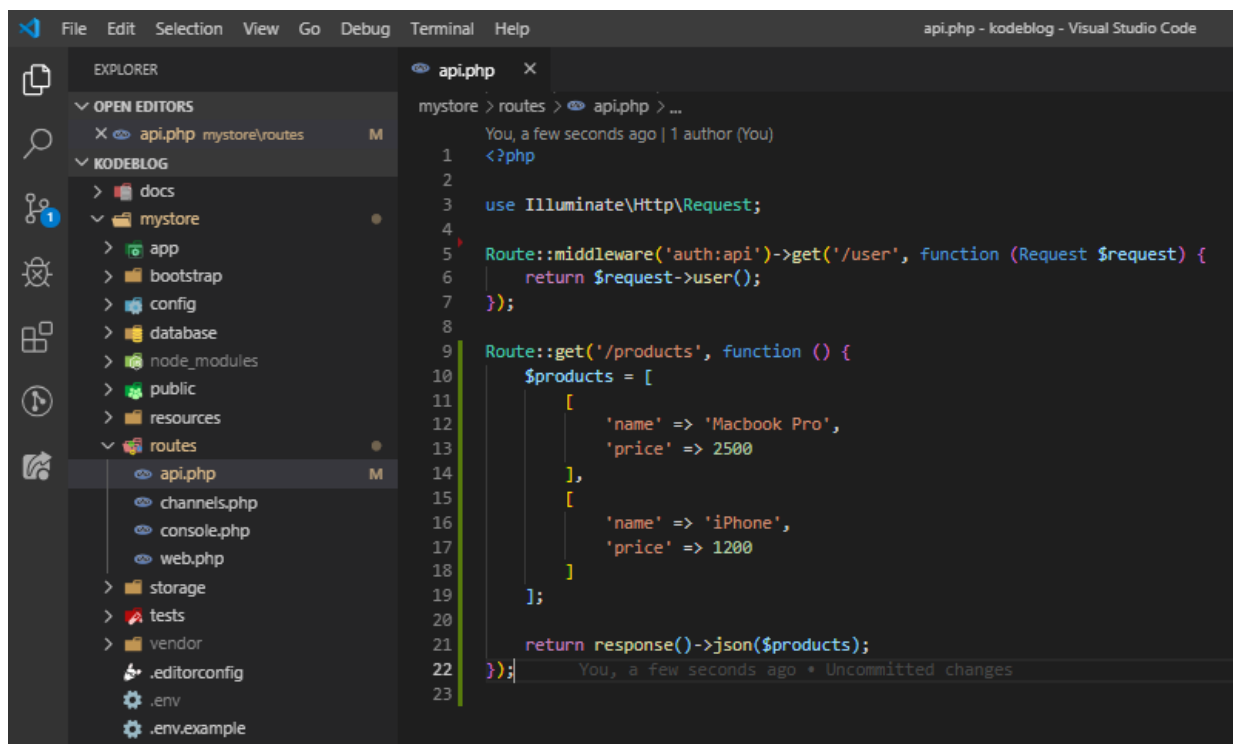- In browser, access `http://127.0.0.1:8000/about-us`

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

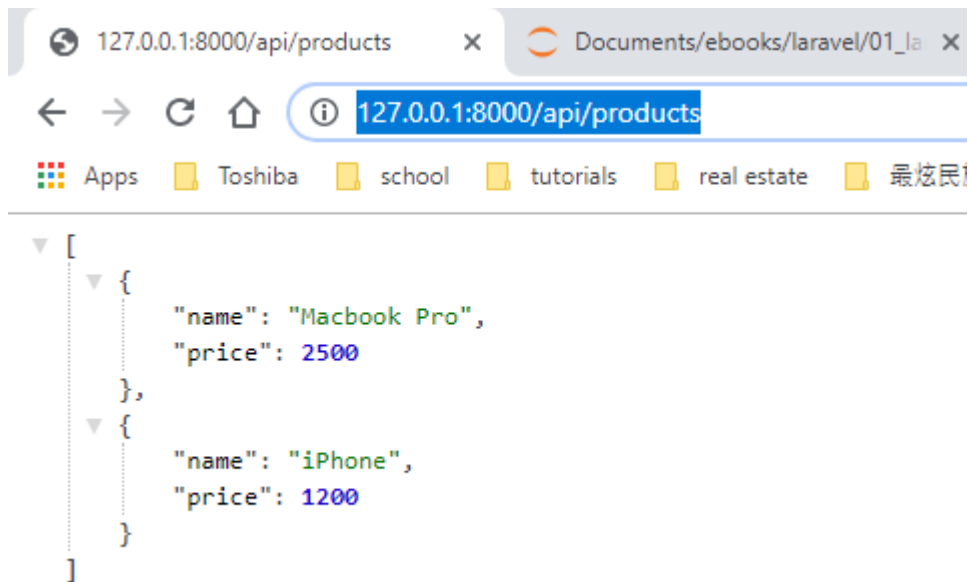- In VSC, open file `kodeblog\mystore\routes\api.php`
- Add `production` route

Test API Route

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

```
[
    {
        "name": "Macbook Pro",
        "price": 2500
    },
    {
        "name": "iPhone",
        "price": 1200
    }
]
```
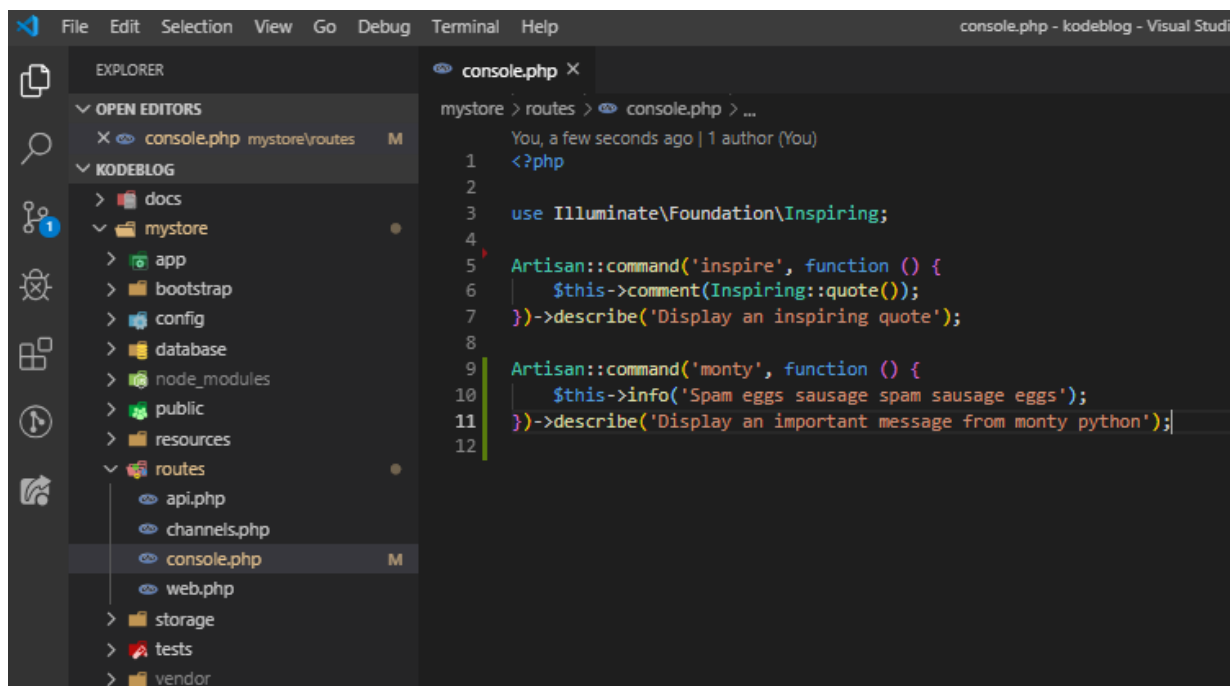
Console Routes

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`
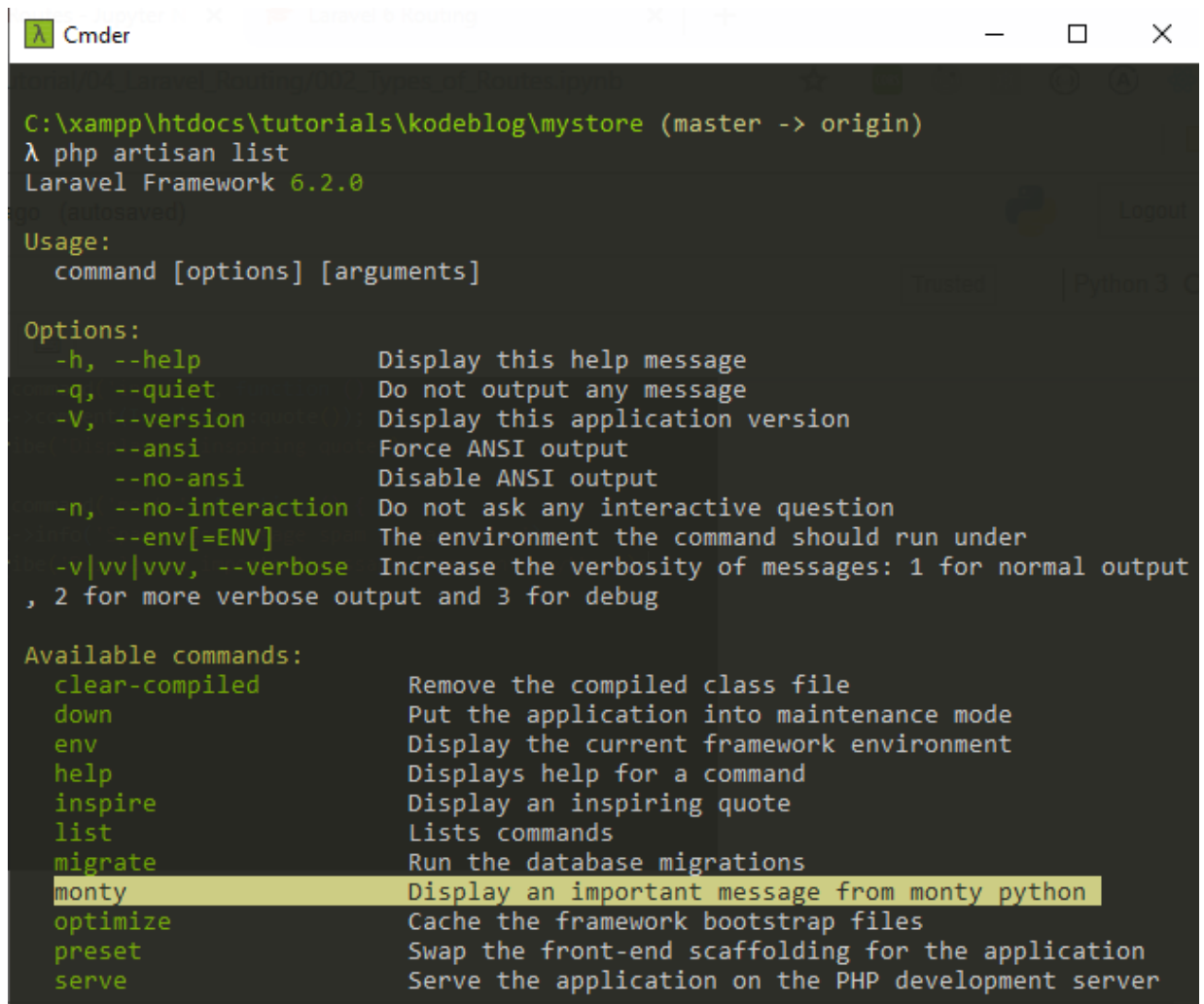
Create Console Route

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

Show Command `monty`

- In `cmder`

  ```
  php artisan list
  ```

```
λ Cmder                                                          —   □   ✕

C:\xampp\htdocs\tutorials\kodeblog\mystore (master -> origin)
λ php artisan list
Laravel Framework 6.2.0

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
```
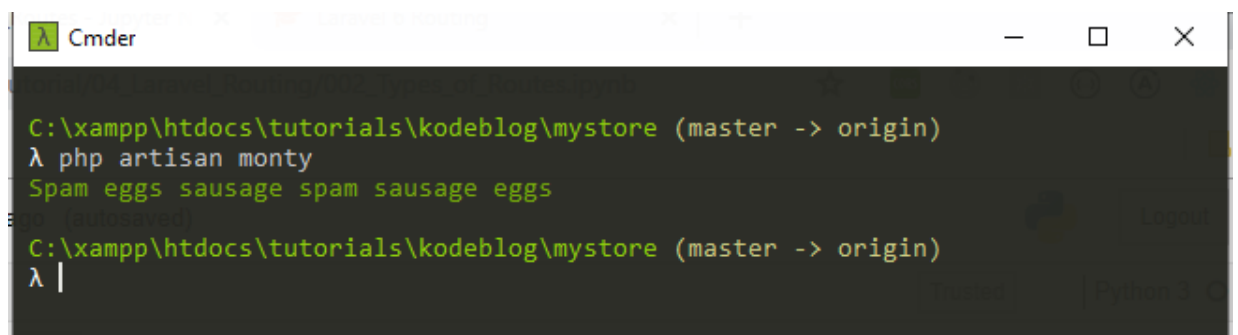
Applying monty

- In cmder

  php artisan monty

```
λ Cmder                                                          —   □   ✕

C:\xampp\htdocs\tutorials\kodeblog\mystore (master -> origin)
λ php artisan monty
Spam eggs sausage spam sausage eggs

C:\xampp\htdocs\tutorials\kodeblog\mystore (master -> origin)
λ |
```

Commit Step

In [ ]: