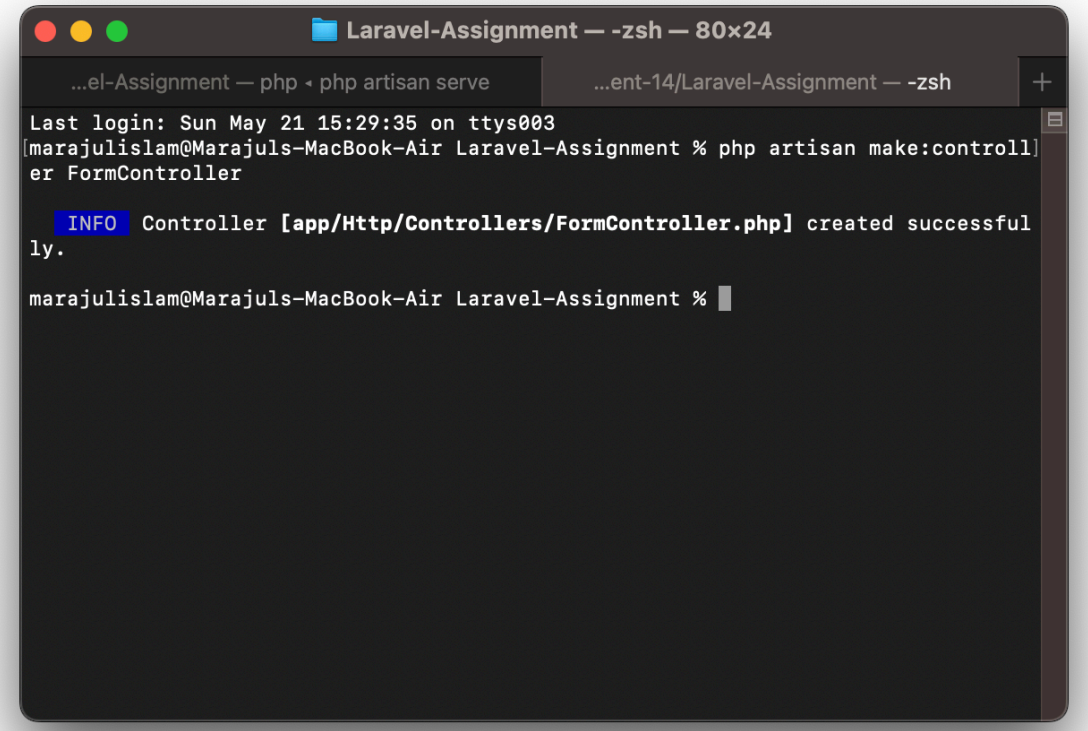
Module-14 Laravel Foundation Assignment:

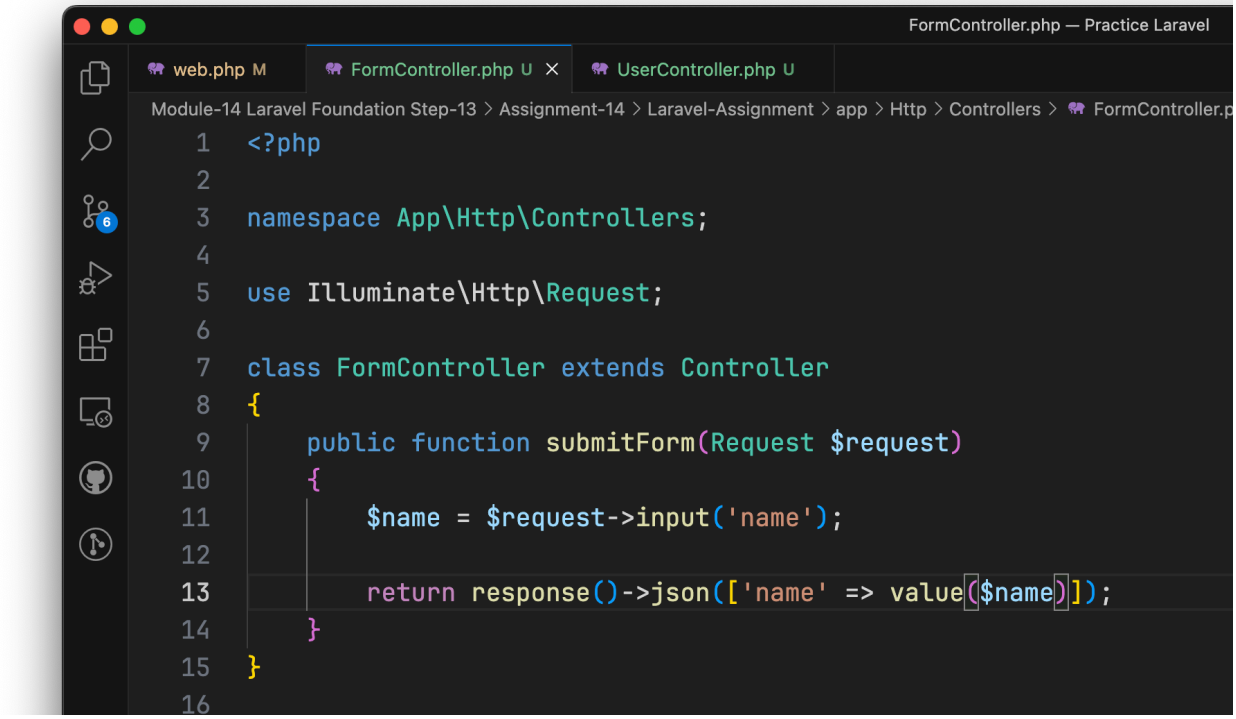
Question 1: You have a Laravel application with a form that submits user information using a POST request. Write the code to retrieve the 'name' input field value from the request and store it in a variable called $name.

Step 1: Create a new controller

1. Open Terminal.
2. Run the following command:php artisan make:controller FormController



Step 2: Implement the controller method

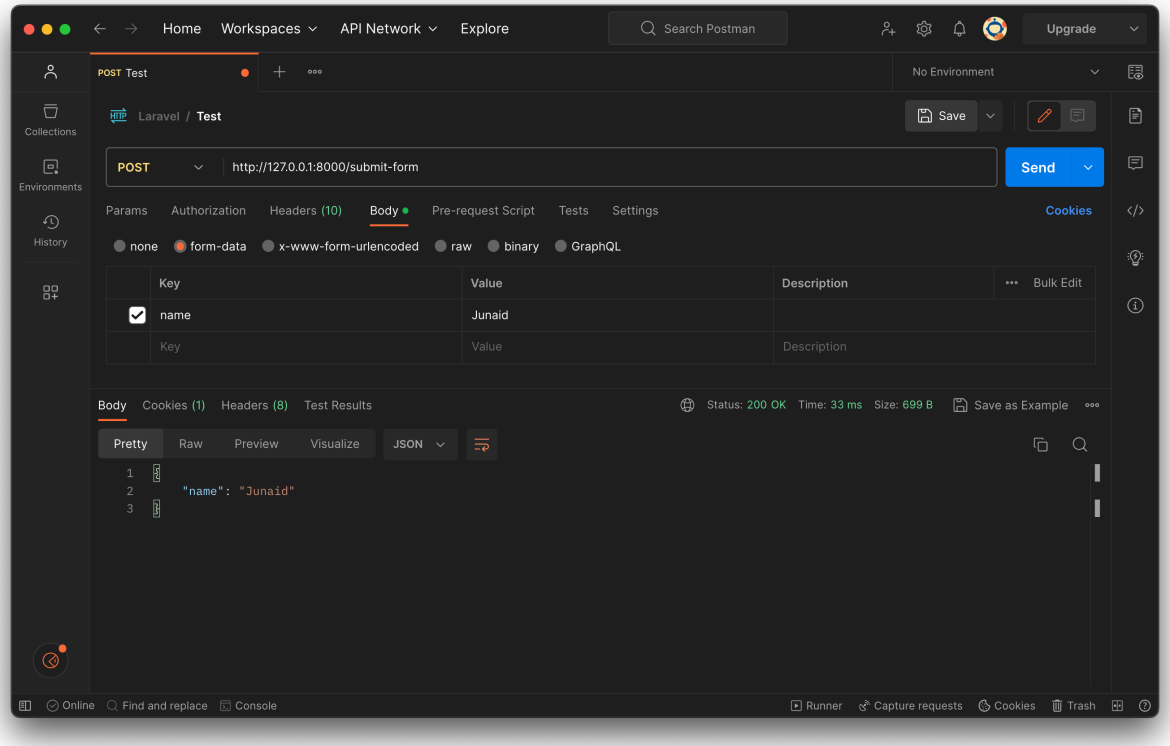


Step 3: Define the route

Step 4: Start the Laravel development server

1. To start a development server, use the new command:php artisan serve

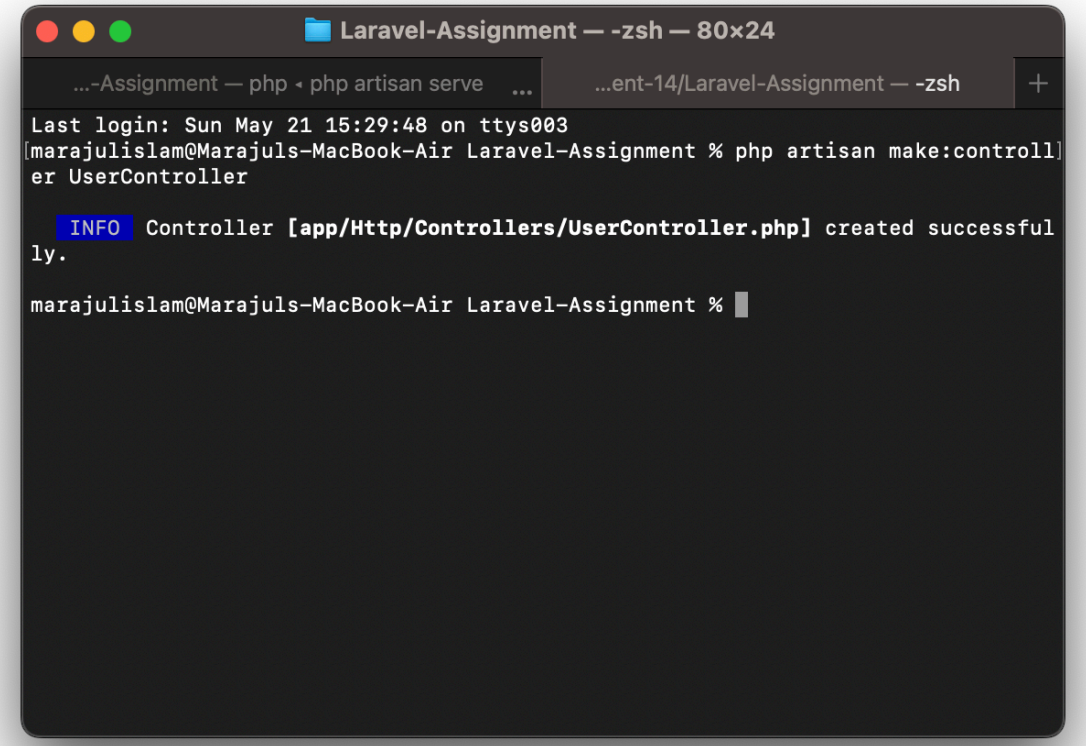
Step 5: Test the route using Postman



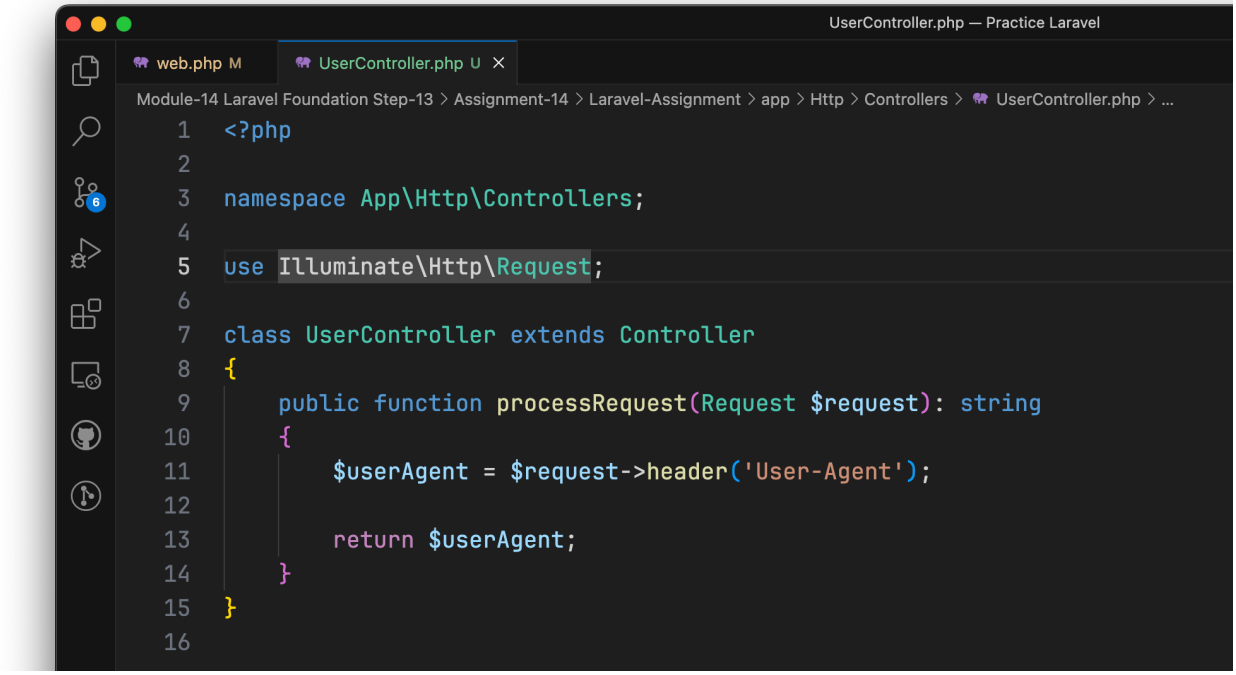
Question 2: In your Laravel application, you want to retrieve the value of the 'User-Agent' header from the current request. Write the code to accomplish this and store the value in a variable called $userAgent.

Step 1: Create a new controller

1. Open Terminal.
2. Run the following command:php artisan make:controller UserController



Step 2: Implement the controller method



Step 3: Define the route

Step 4: Start the Laravel development server

1. To start a development server, use the new command:php artisan serve

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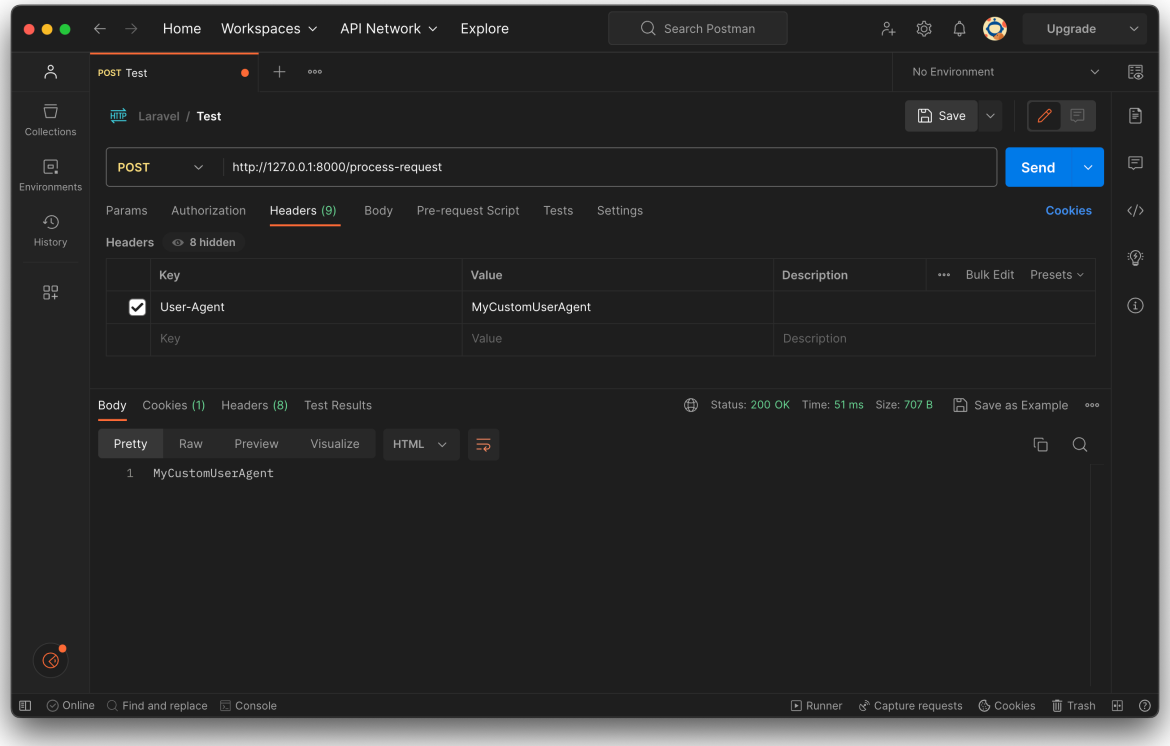
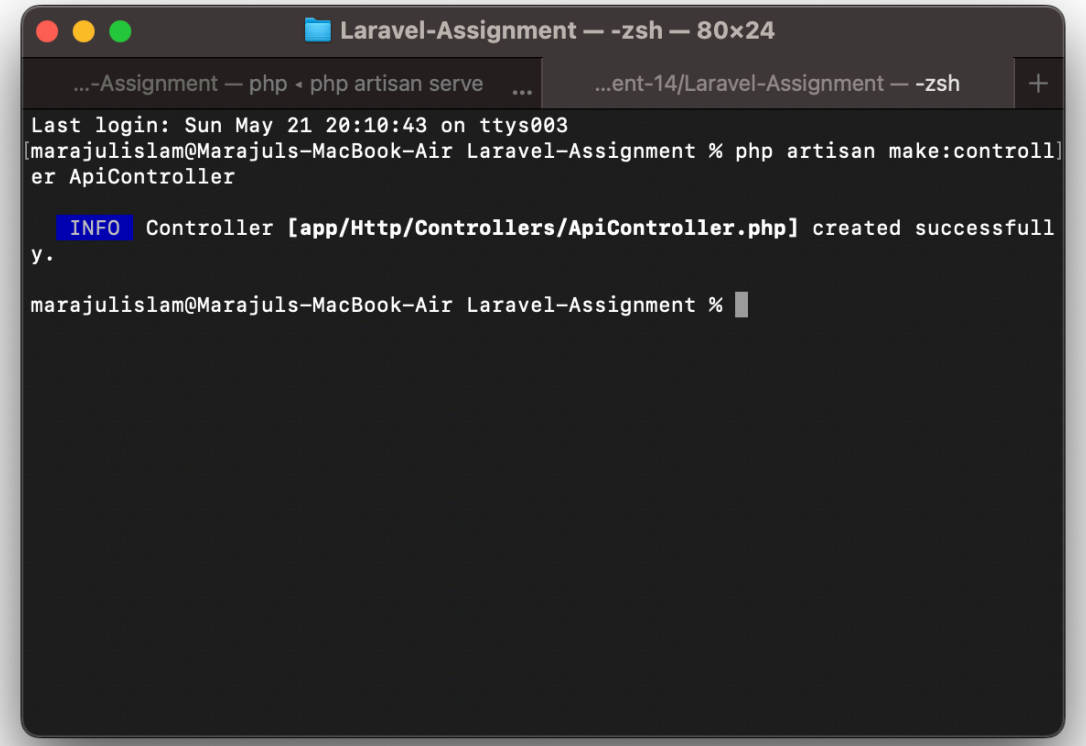


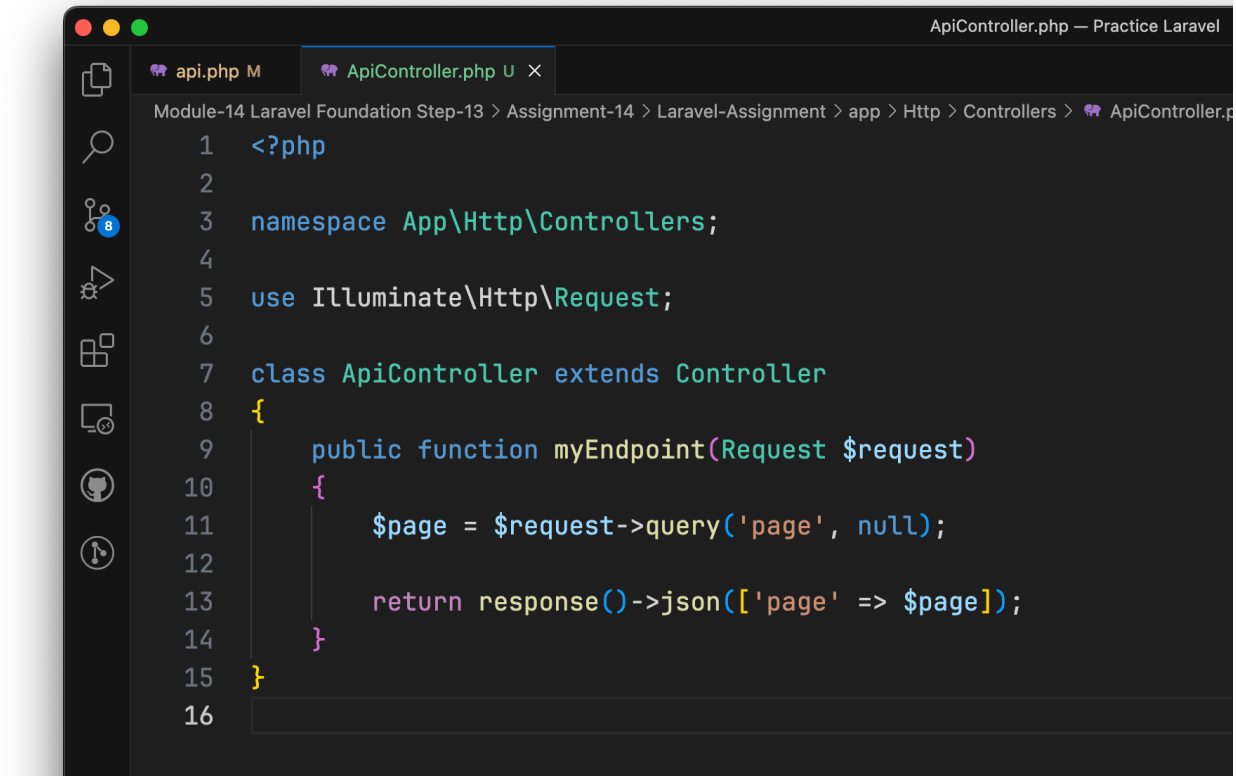
Question 3: You are building an API endpoint in Laravel that accepts a GET request with a 'page' query parameter. Write the code to retrieve the value of the 'page' parameter from the current request and store it in a variable called $page. If the parameter is not present, set $page to null.

Step 1: Create a new controller

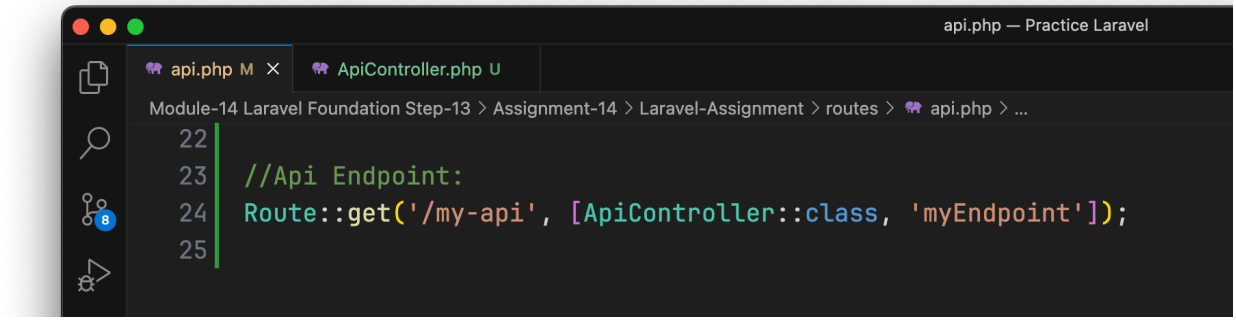
1. Open Terminal.
2. Run the following command:php artisan make:controller ApiController



Step 2: Implement the controller method



Step 3: Define the route

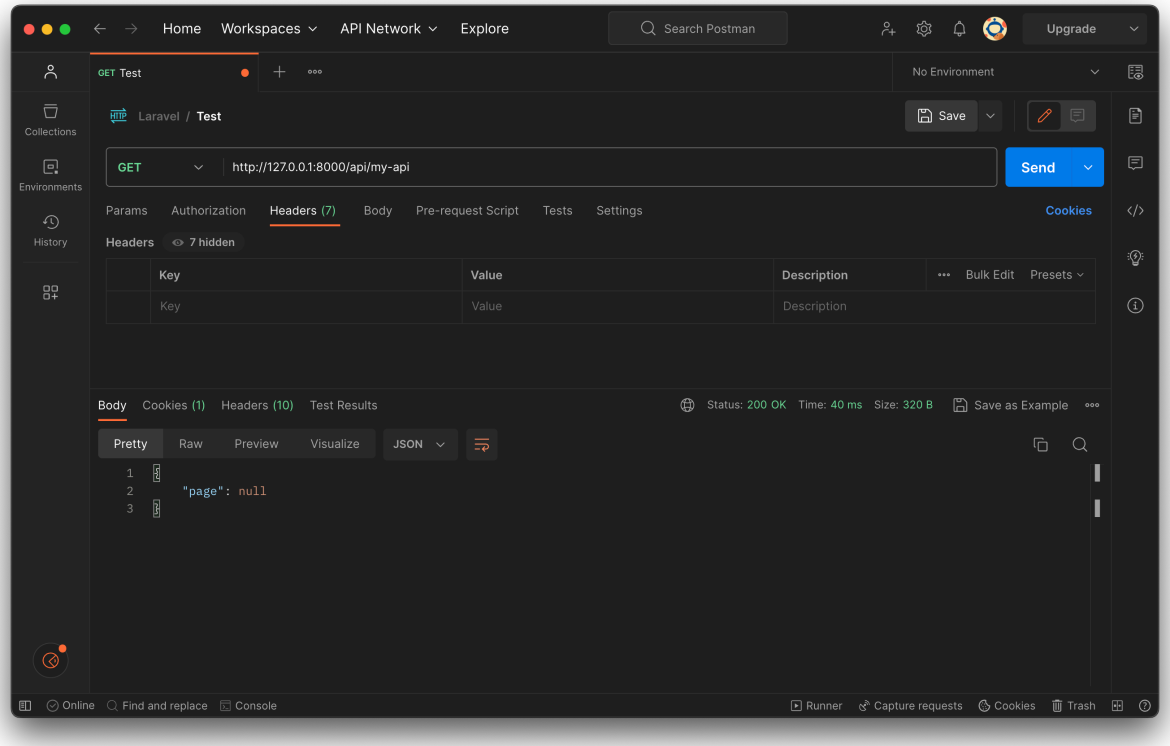


Step 4: Start the Laravel development server

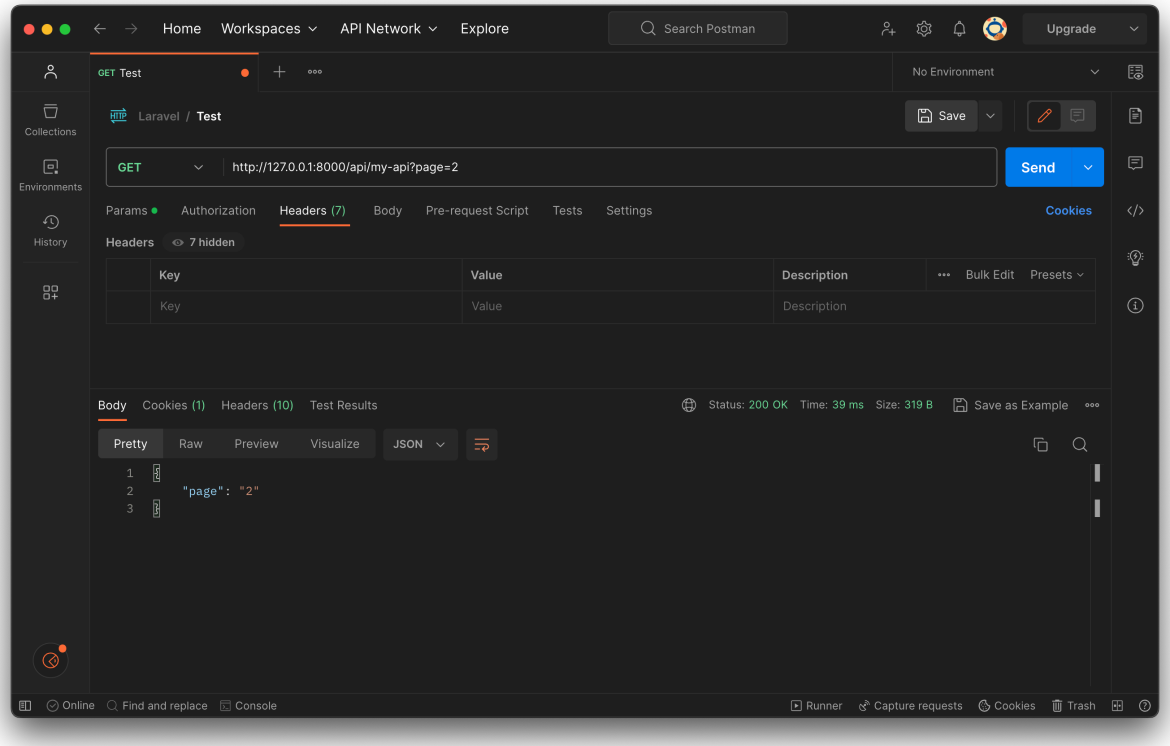
1. To start a development server, use the new command:php artisan serve

Step 5: Test the route using Postman

1. Without Parameter:



1. With Parameter:



Question 4: Create a JSON response in Laravel with the following data:

{

"message": "Success",

"data": {

"name": "John Doe",

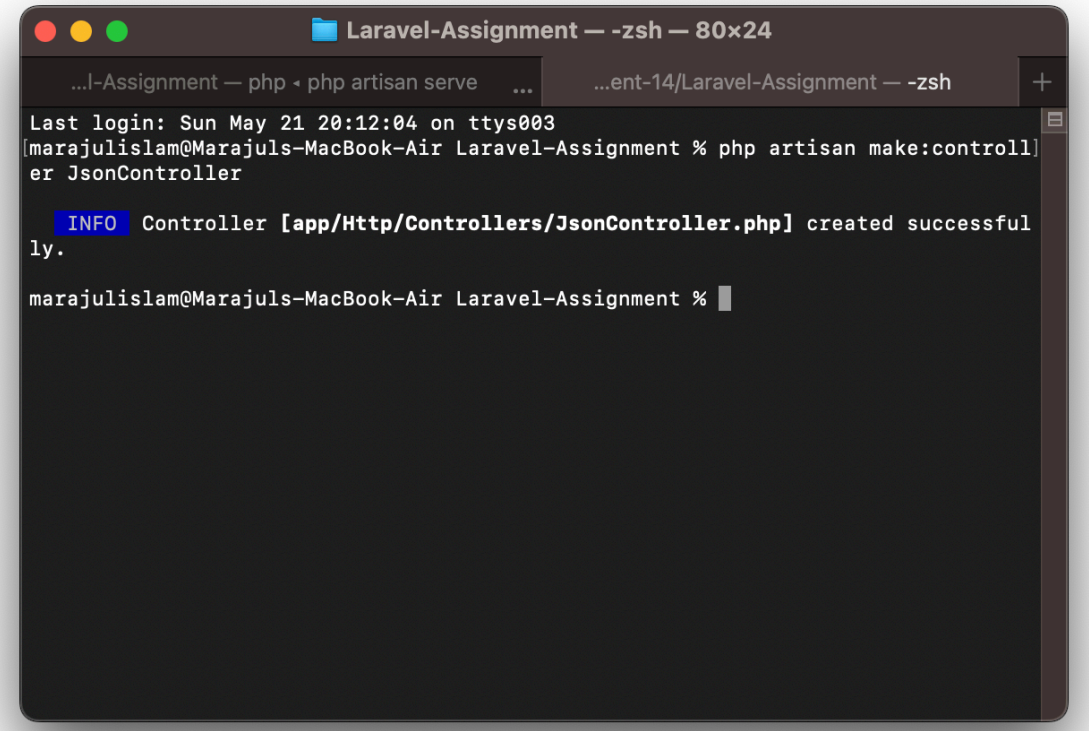
"age": 25

}

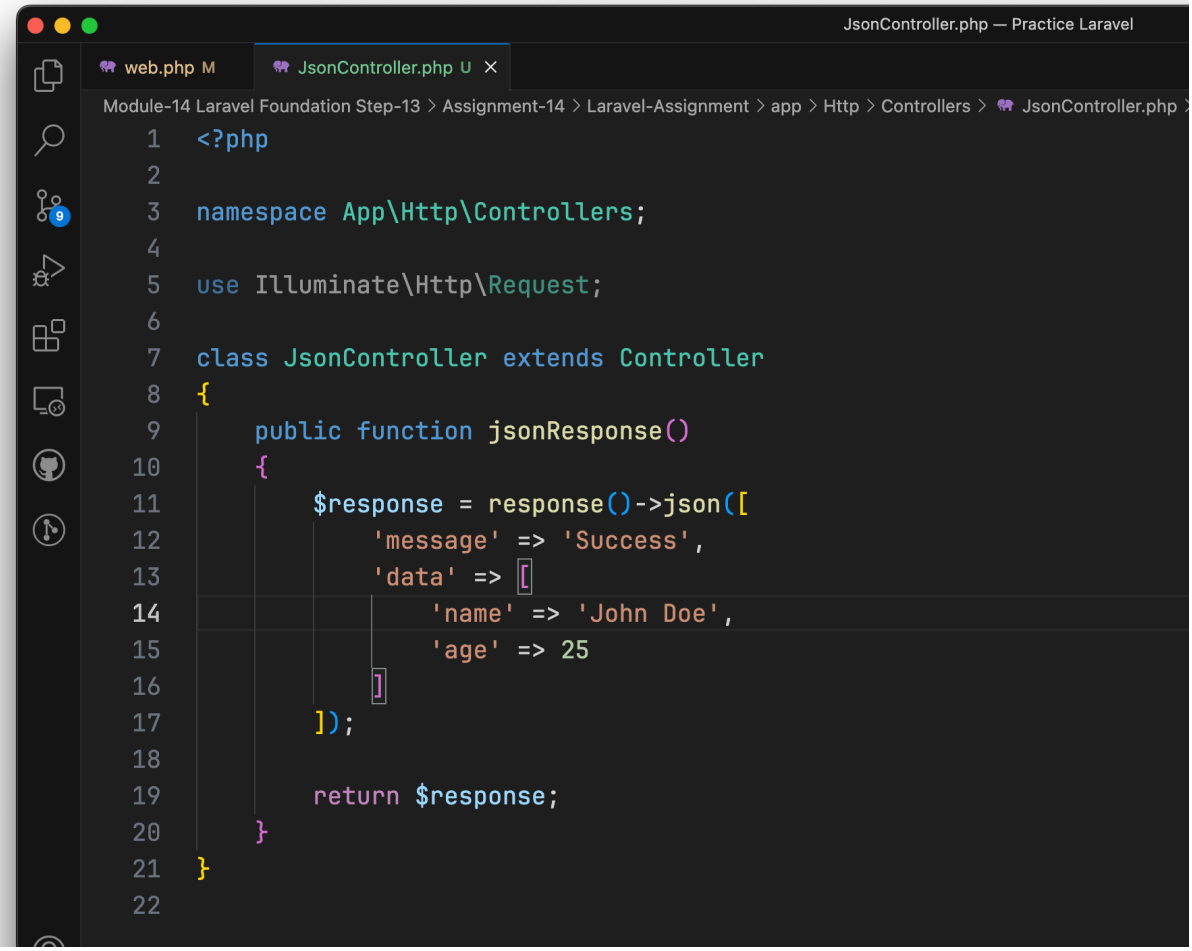
}

Step 1: Create a new controller

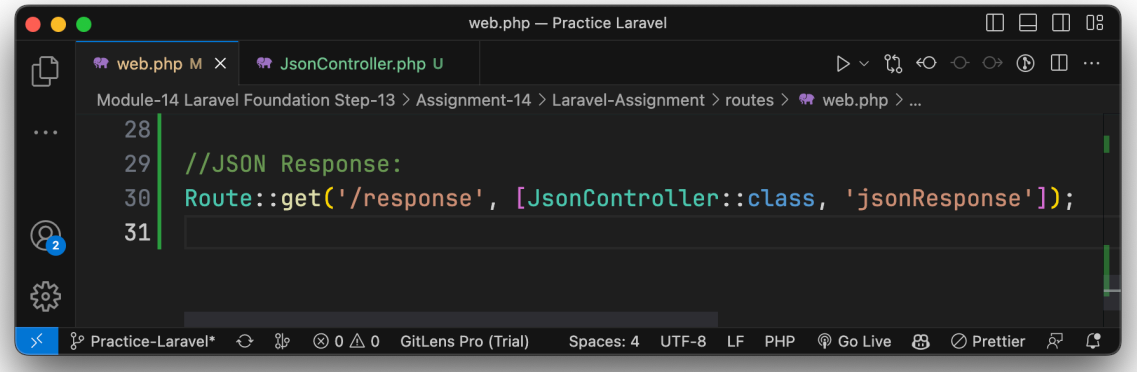
1. Open Terminal.
2. Run the following command:php artisan make:controller JsonController



Step 2: Implement the controller method



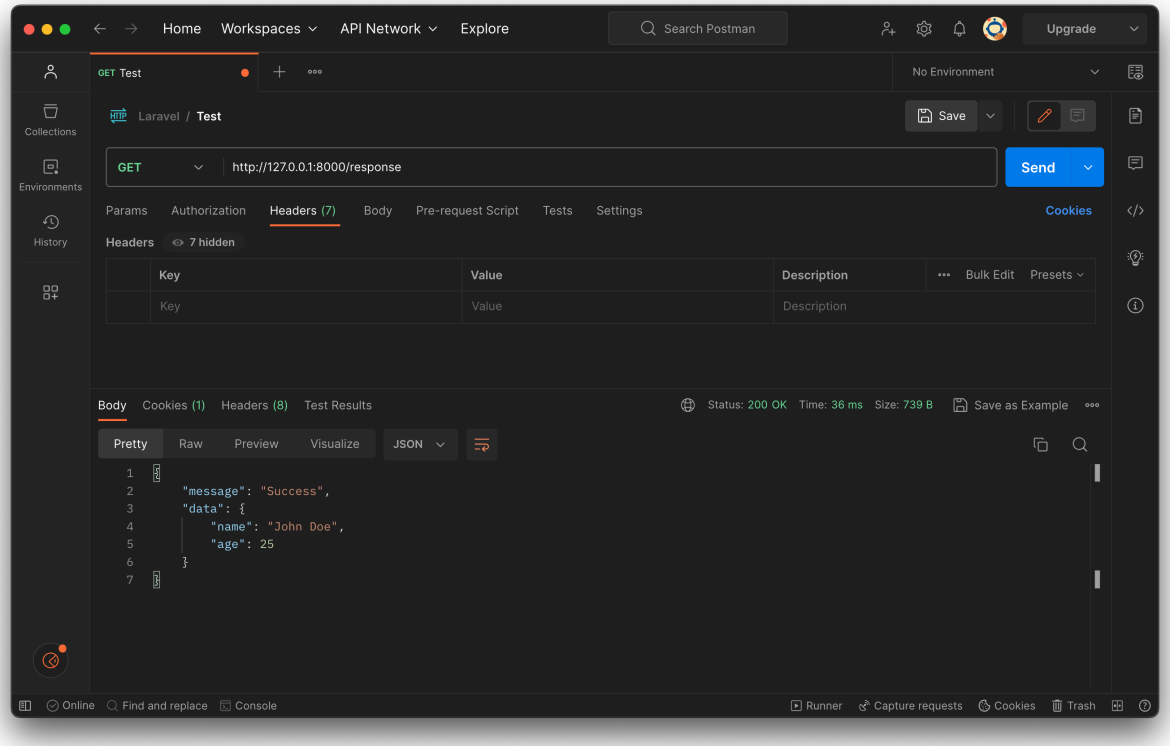
Step 3: Define the route



Step 4: Start the Laravel development server

1. To start a development server, use the new command:php artisan serve

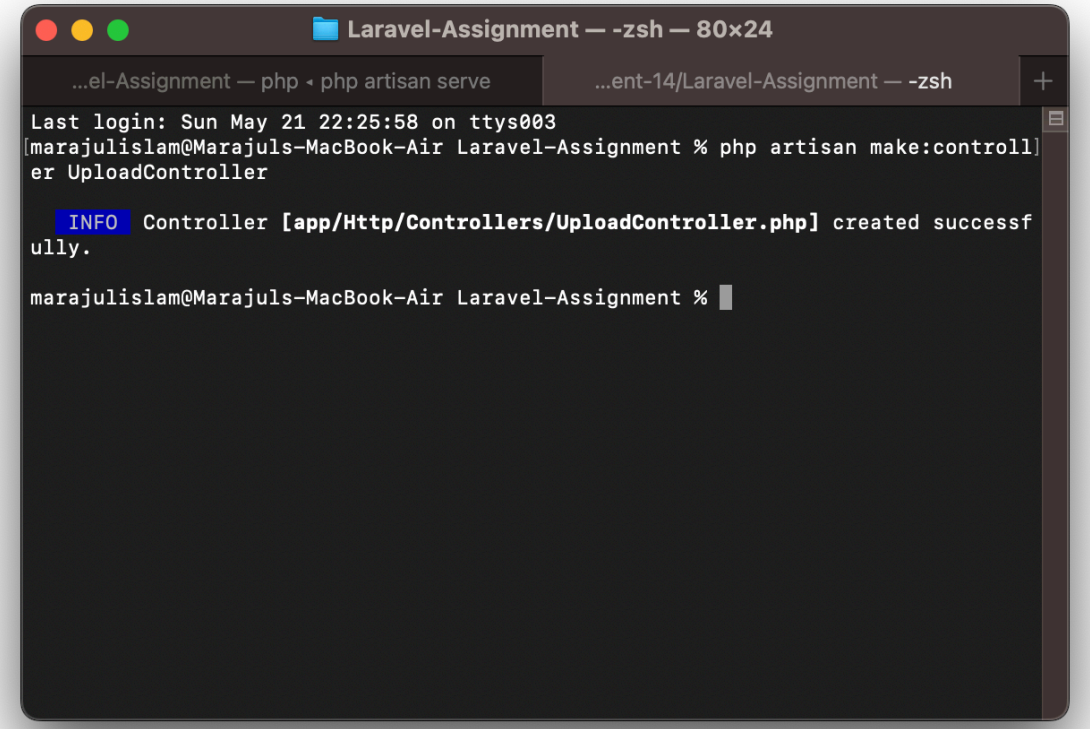
Step 5: Test the route using Postman



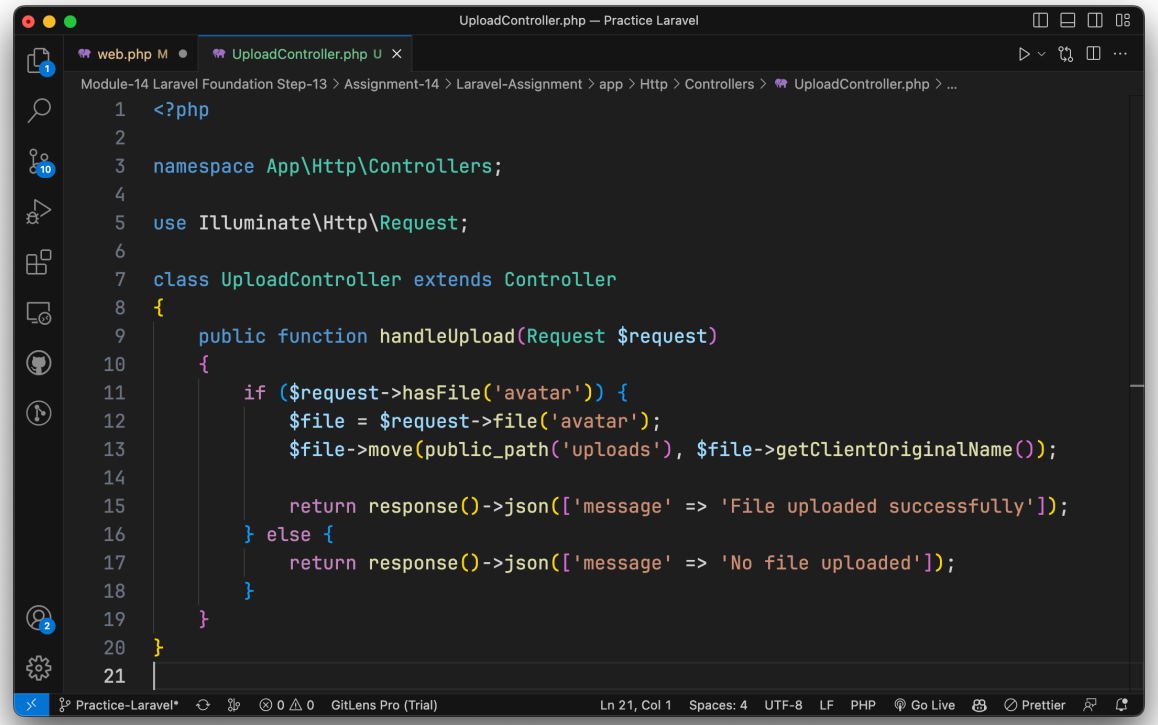
Question 5: You are implementing a file upload feature in your Laravel application. Write the code to handle a file upload named 'avatar' in the current request and store the uploaded file in the 'public/uploads' directory. Use the original filename for the uploaded file.

Step 1: Create a new controller

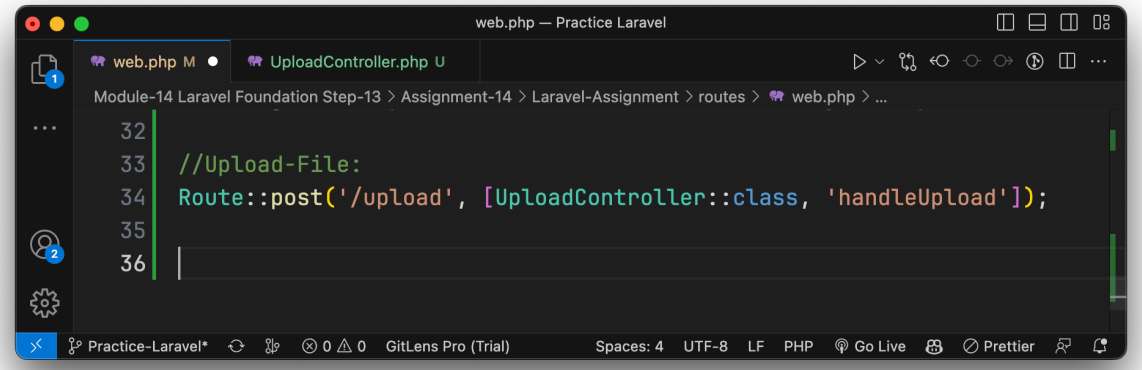
1. Open Terminal.
2. Run the following command:php artisan make:controller UploadController



Step 2: Implement the controller method



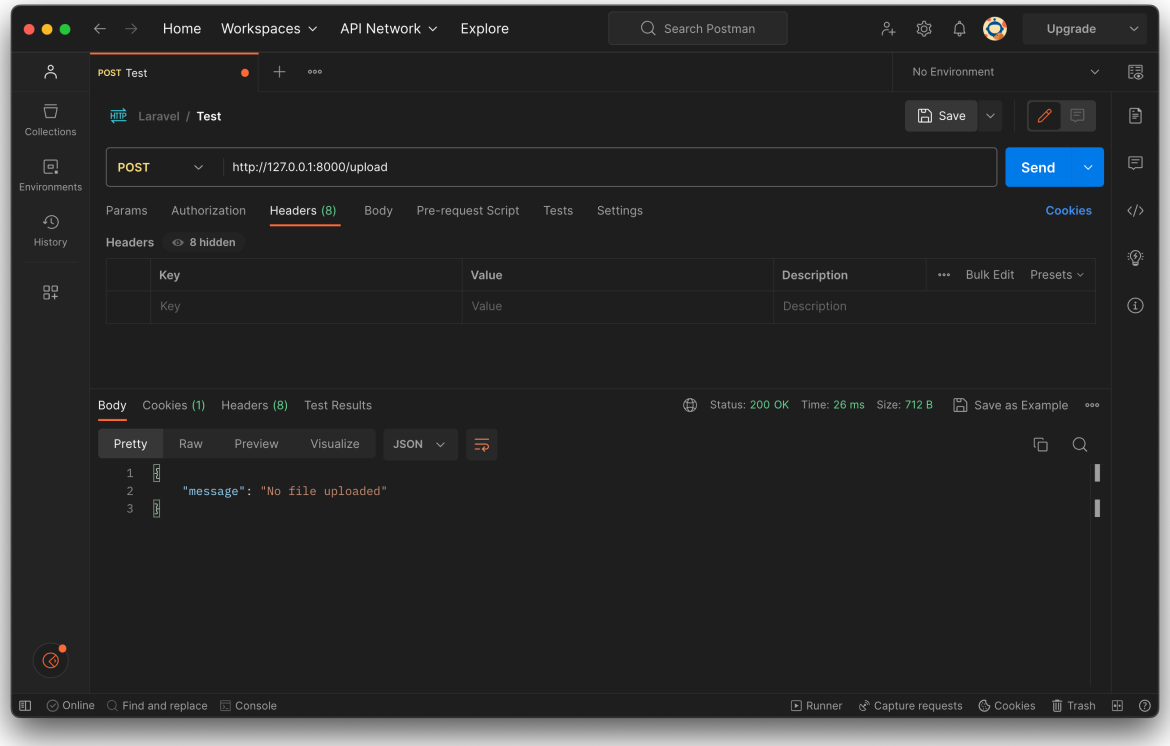
Step 3: Define the route



Step 4: Start the Laravel development server

1. To start a development server, use the new command:php artisan serve

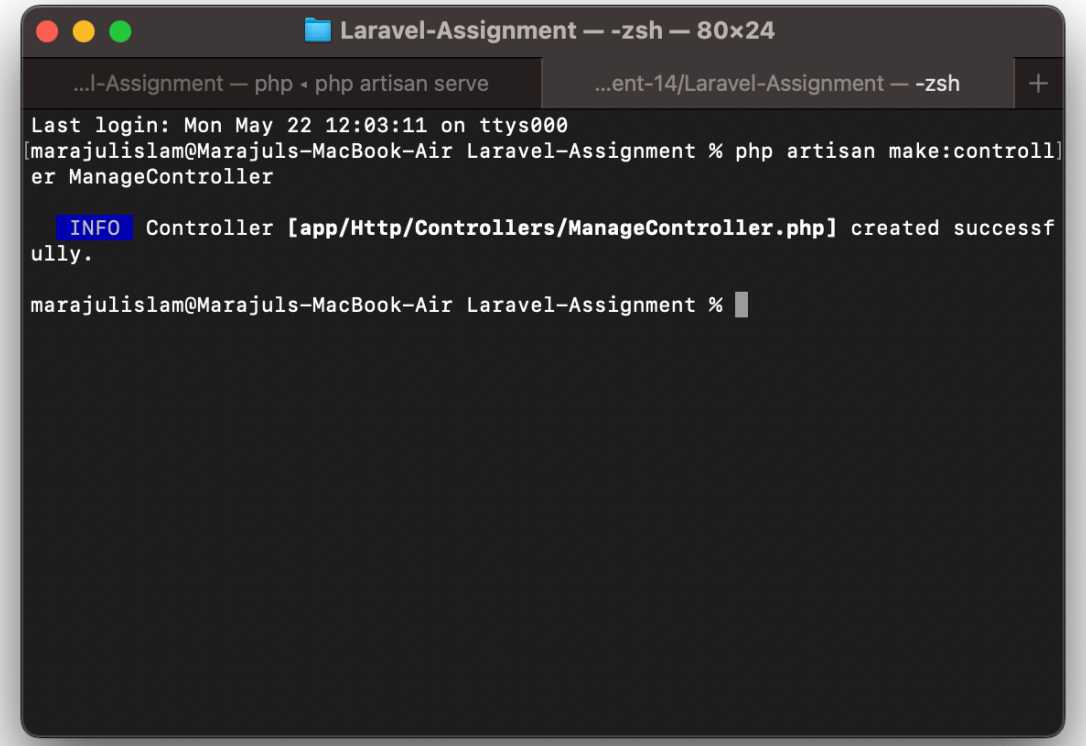
Step 5: Test the route using Postman



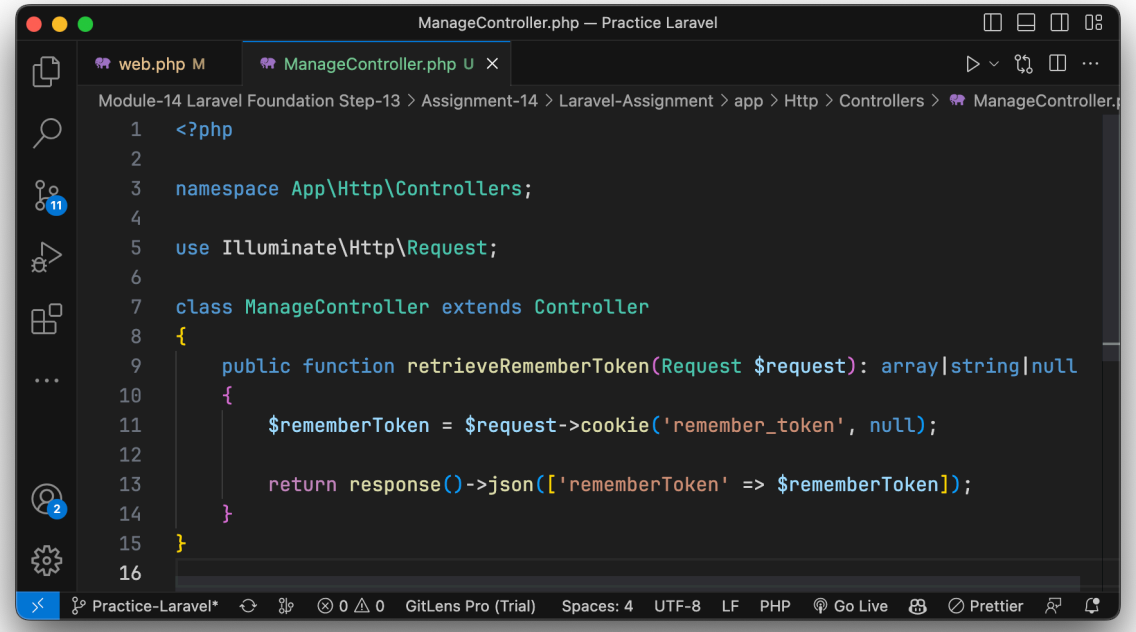
Question 6: Retrieve the value of the 'remember_token' cookie from the current request in Laravel and store it in a variable called $rememberToken. If the cookie is not present, set $rememberToken to null.

Step 1: Create a new controller

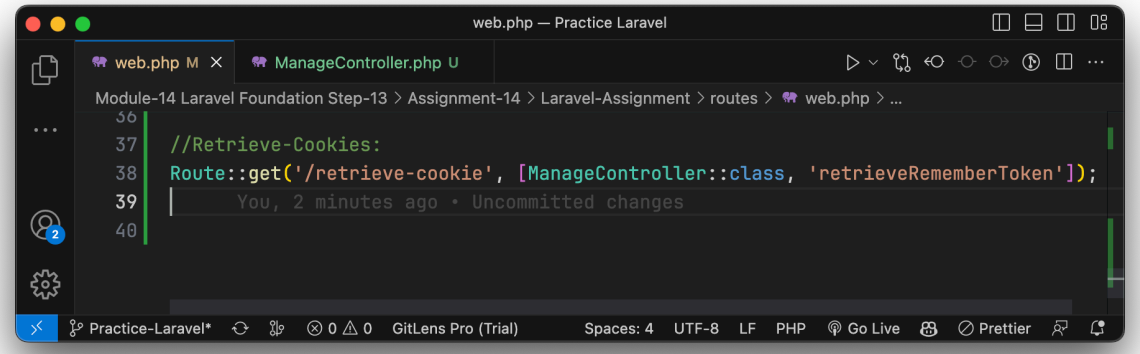
1. Open Terminal.
2. Run the following command:php artisan make:controller ManageController



Step 2: Implement the controller method



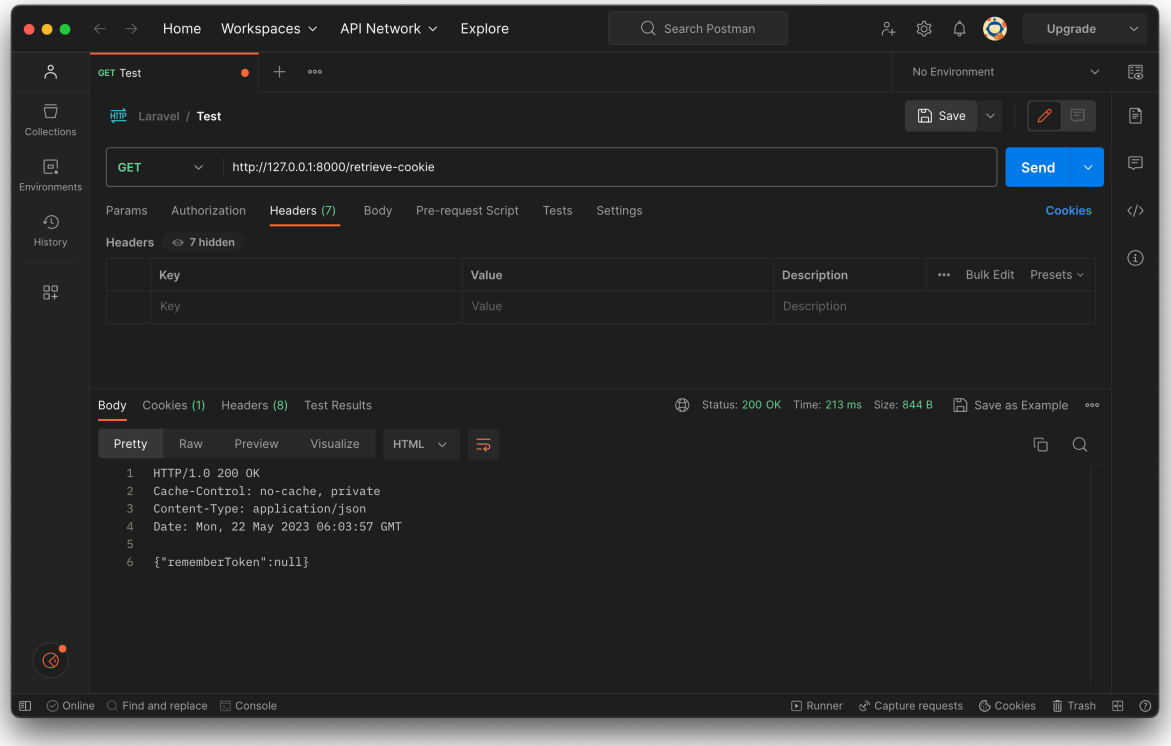
Step 3: Define the route



Step 4: Start the Laravel development server

1. To start a development server, use the new command:php artisan serve

Step 5: Test the route using Postman



Question 7: Create a route in Laravel that handles a POST request to the '/submit' URL. Inside the route closure, retrieve the 'email' input parameter from the request and store it in a variable called $email. Return a JSON response with the following data:

{

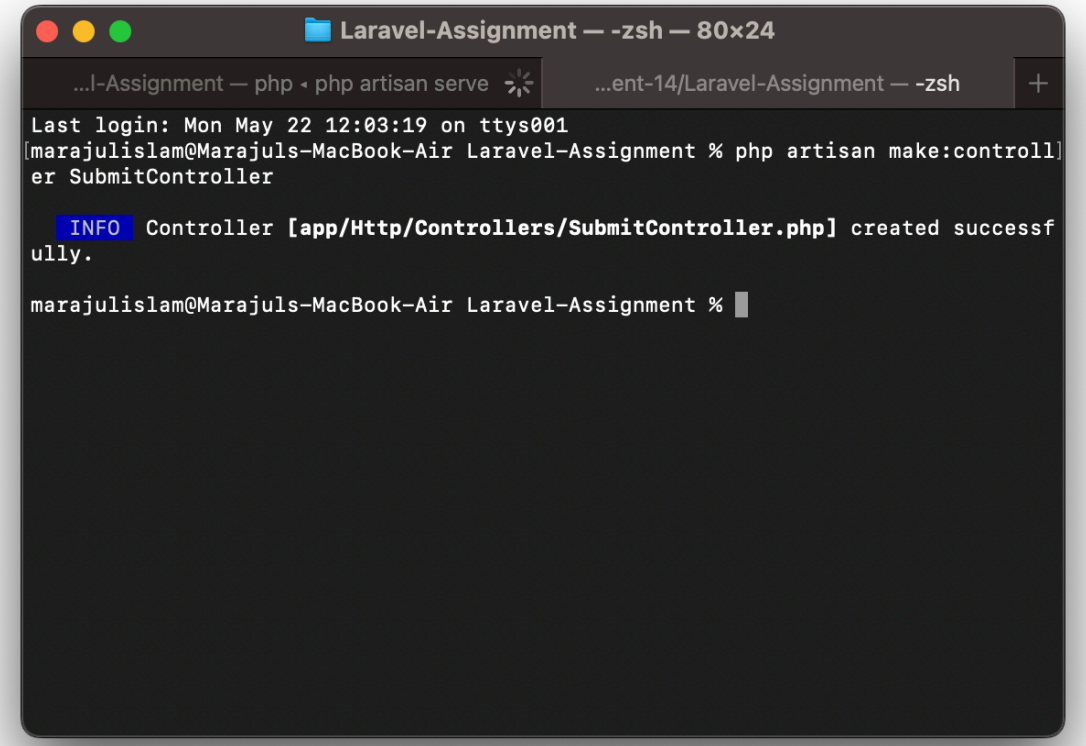
"success": true,

"message": "Form submitted successfully."

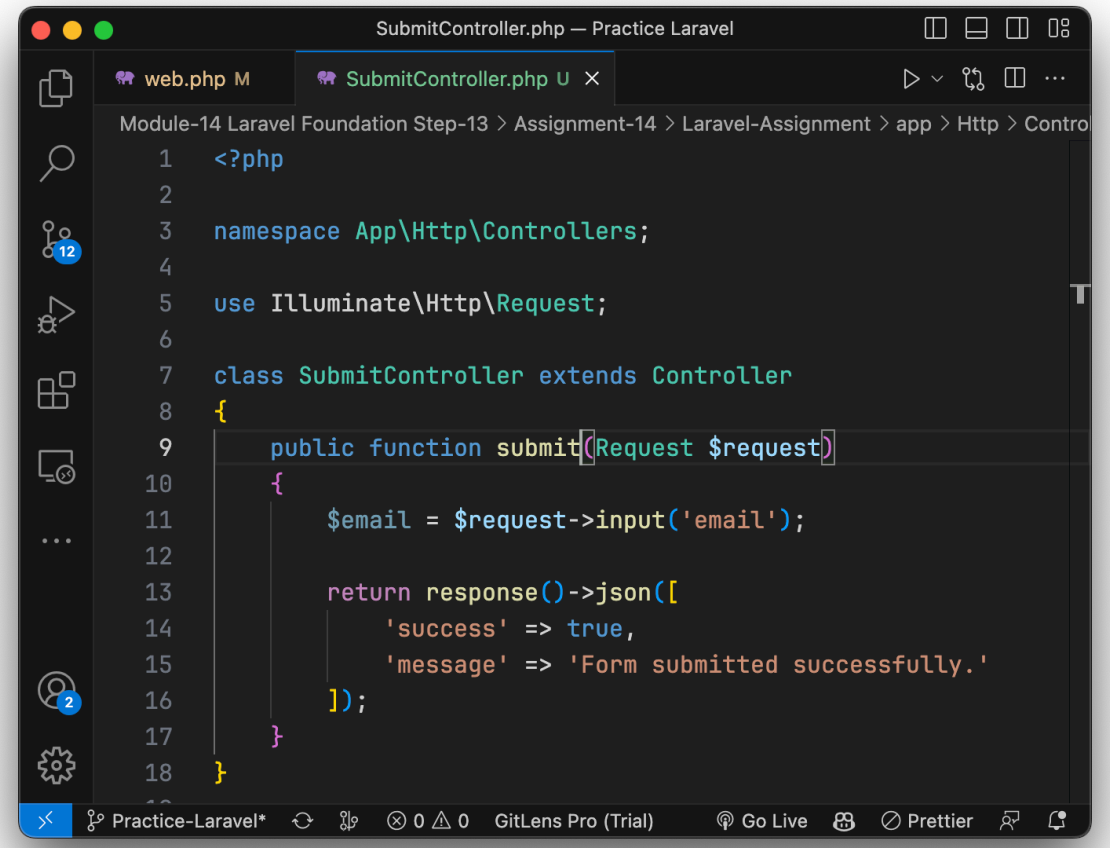
}

Step 1: Create a new controller

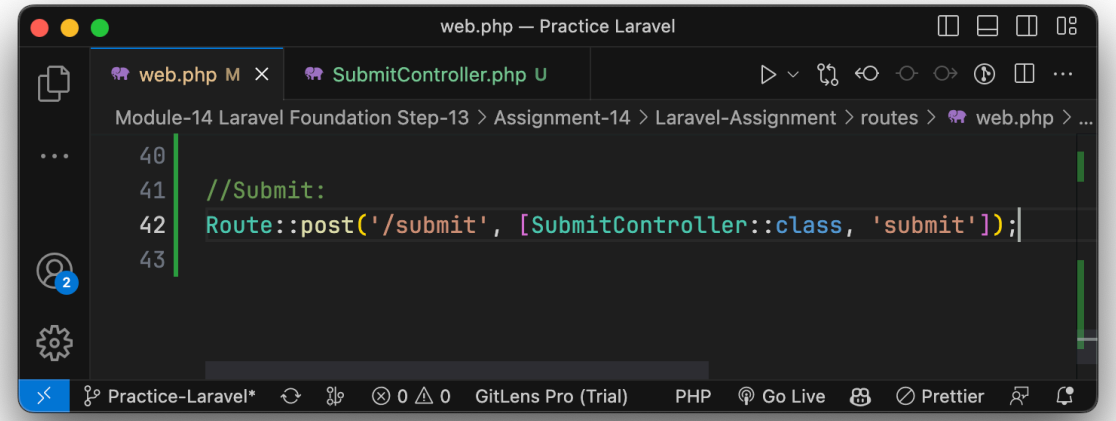
1. Open Terminal.
2. Run the following command:php artisan make:controller SubmitController



Step 2: Implement the controller method



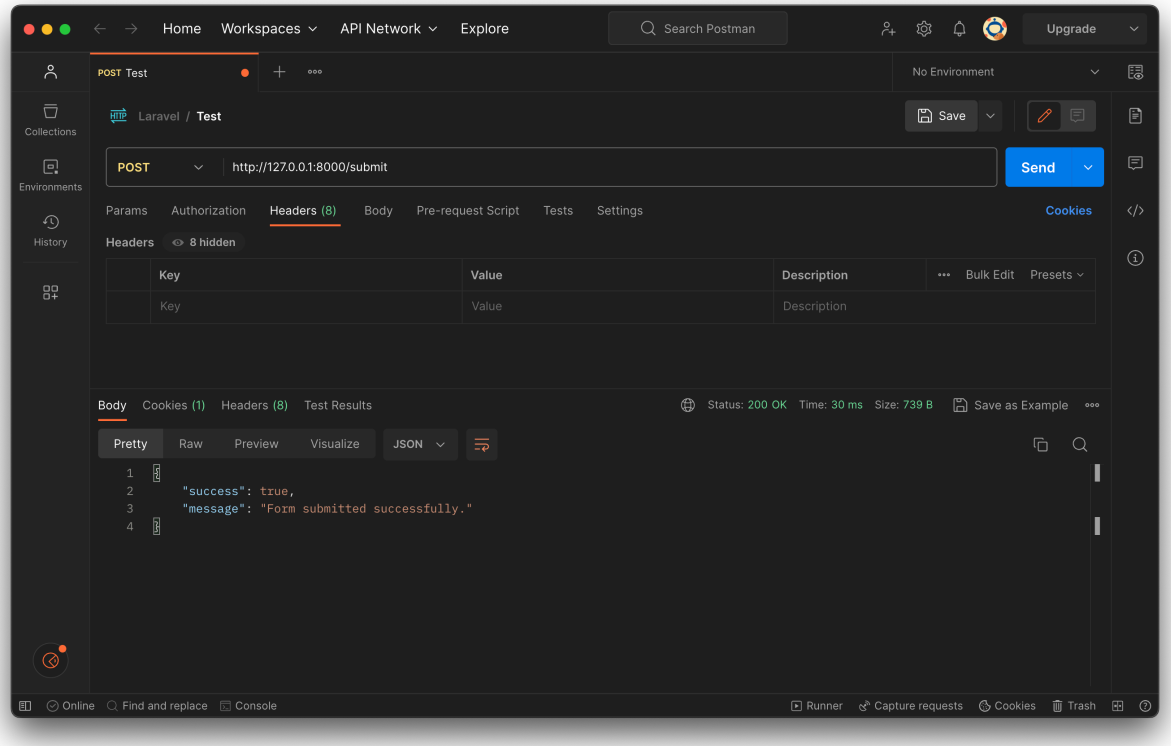
Step 3: Define the route



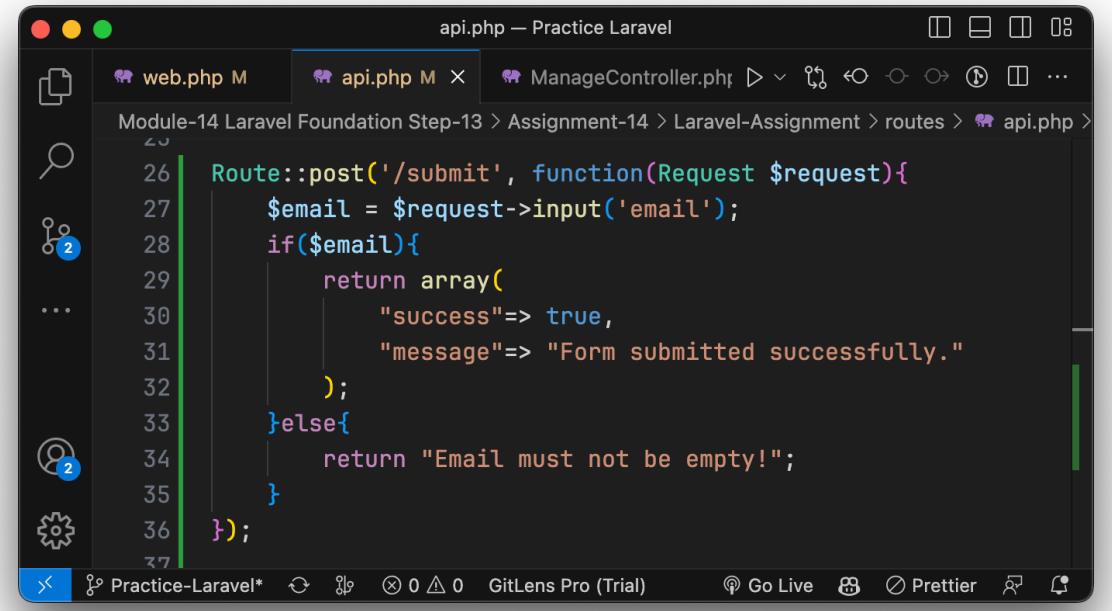
Step 4: Start the Laravel development server

1. To start a development server, use the new command:php artisan serve

Step 5: Test the route using Postman



Another way:



Author: Marajul Islam