Ostad

Laravel Basic Routing Assignment

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Assignment : Module 14

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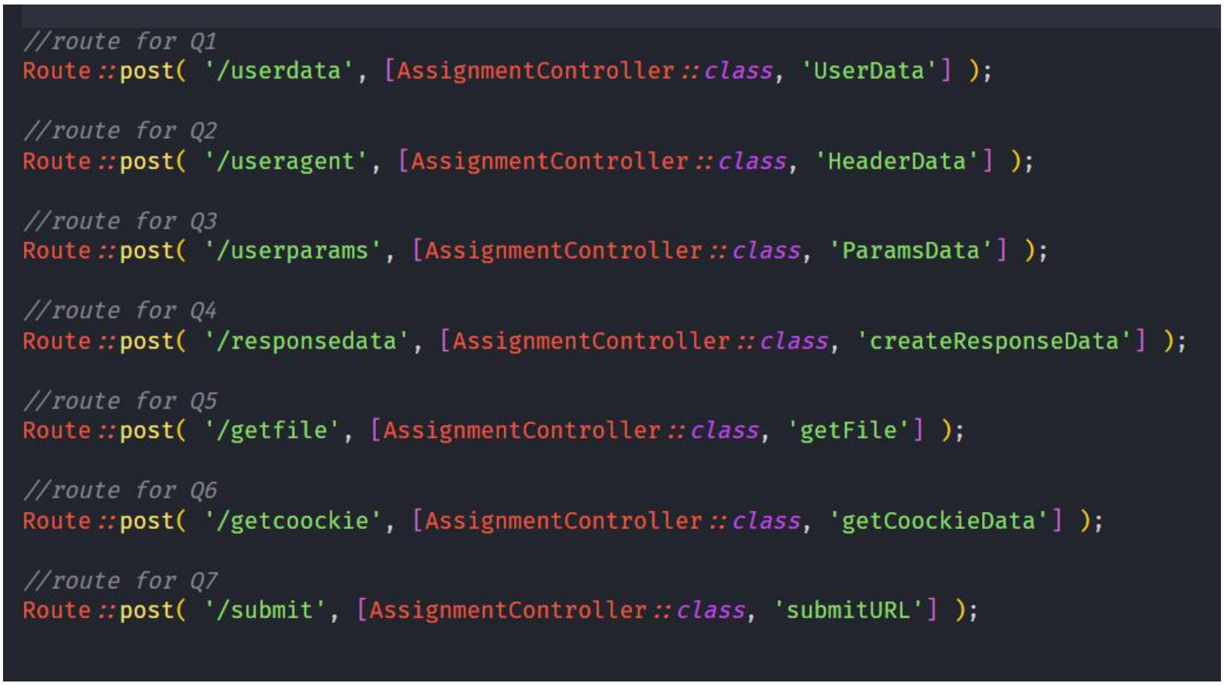
In this assignment at first I’ve created all the routes in ***routes/api.php*** file

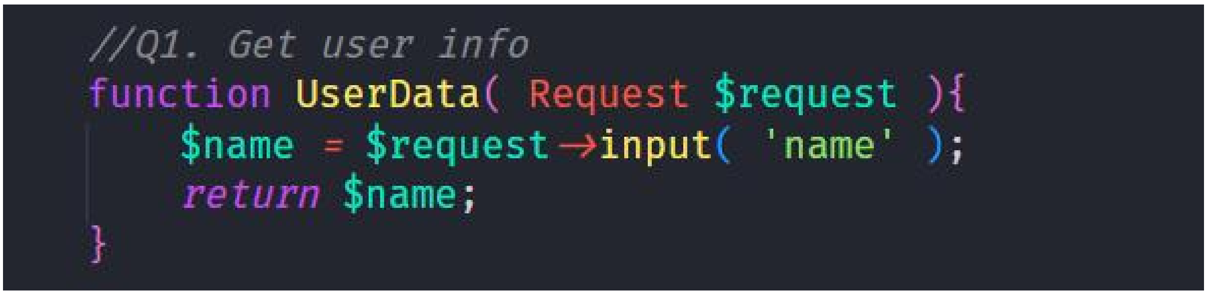


```php
//route for Q1
Route::post( '/userdata', [AssignmentController::class, 'UserData'] );

//route for Q2
Route::post( '/useragent', [AssignmentController::class, 'HeaderData'] );

//route for Q3
Route::post( '/userparams', [AssignmentController::class, 'ParamsData'] );

//route for Q4
Route::post( '/responsedata', [AssignmentController::class, 'createResponseData'] );

//route for Q5
Route::post( '/getfile', [AssignmentController::class, 'getFile'] );

//route for Q6
Route::post( '/getcoockie', [AssignmentController::class, 'getCoockieData'] );

//route for Q7
Route::post( '/submit', [AssignmentController::class, 'submitURL'] );
```

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.

In ***AssignmentController.php***



```php
//Q1. Get user info
function UserData( Request $request ){
    $name = $request->input( 'name' );
    return $name;
}
```

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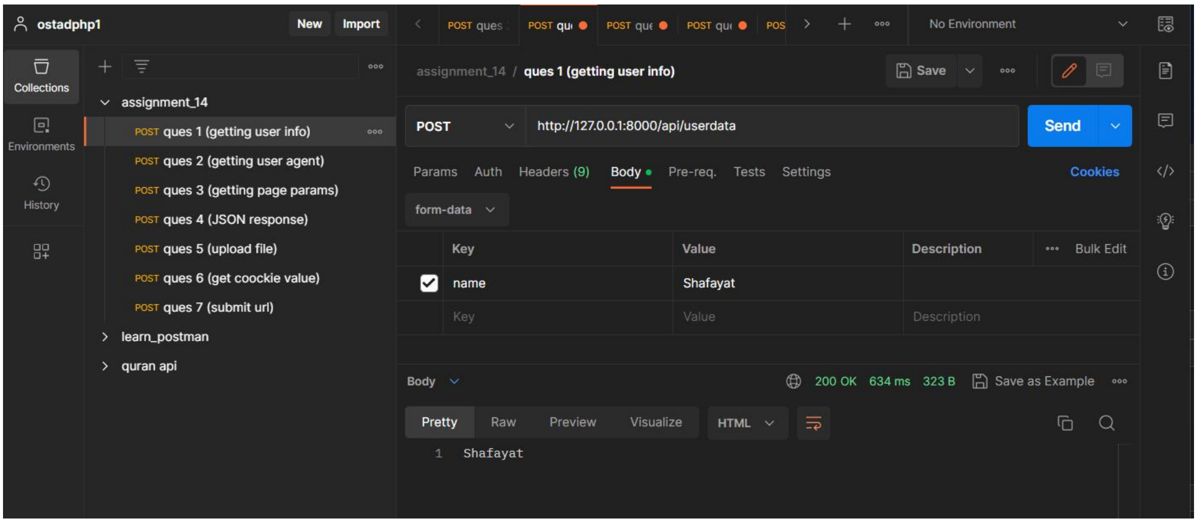
Postman output is



assignment_14
- POST ques 1 (getting user info)
- POST ques 2 (getting user agent)
- POST ques 3 (getting page params)
- POST ques 4 (JSON response)
- POST ques 5 (upload file)
- POST ques 6 (get coockie value)
- POST ques 7 (submit url)

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assignment_14 / ques 1 (getting user info)

POST http://127.0.0.1:8000/api/userdata

Body: form-data

	Key	Value	Description
☑	name	Shafayat	
	Key	Value	Description

Body — 200 OK 634 ms 323 B

```
1  Shafayat
```

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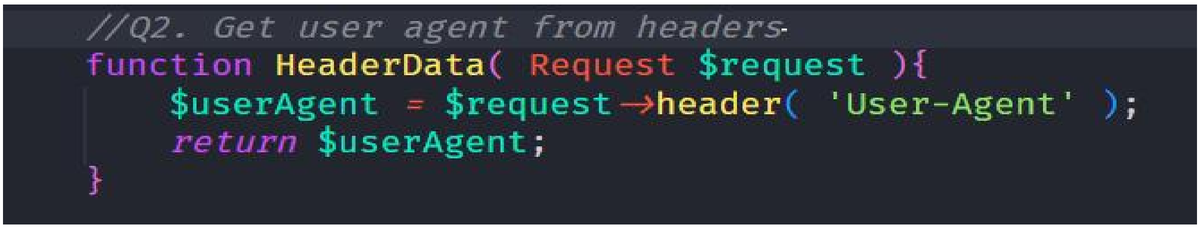
Question 2:

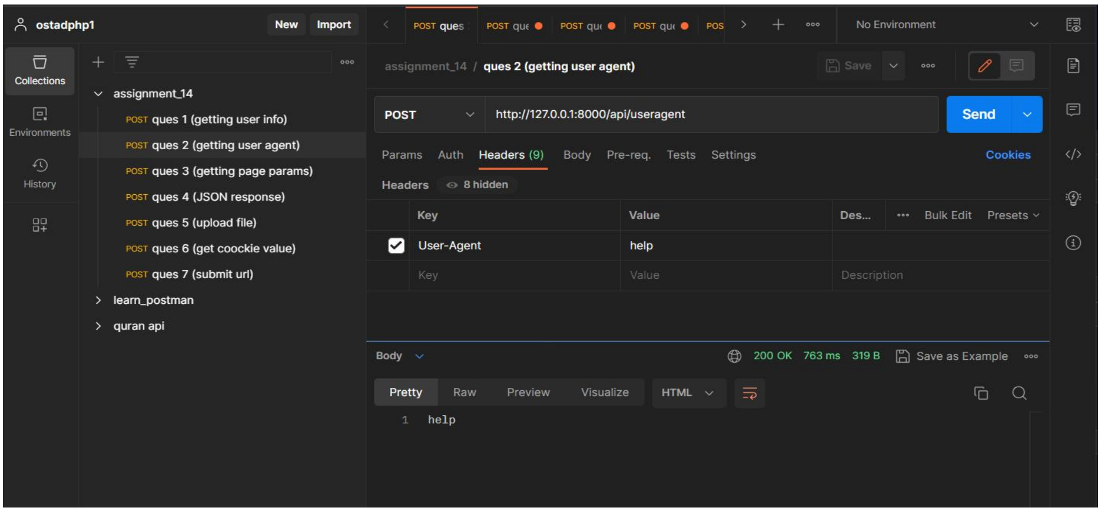
In your Laravel application, you want to retrieve the value of the 'User-Agent' header from the current request. Write the code to accomplish this and store the value in a variable called $userAgent

In ***AssignmentController.php***



```php
    //Q2. Get user agent from headers
    function HeaderData( Request $request ){
        $userAgent = $request->header( 'User-Agent' );
        return $userAgent;
    }
```

Postman output



assignment_14
- POST ques 1 (getting user info)
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assignment_14 / ques 2 (getting user agent)

POST http://127.0.0.1:8000/api/useragent

Headers 8 hidden

	Key	Value	Des...
☑	User-Agent	help	
	Key	Value	Description

Body — 200 OK 763 ms 319 B

```
1  help
```

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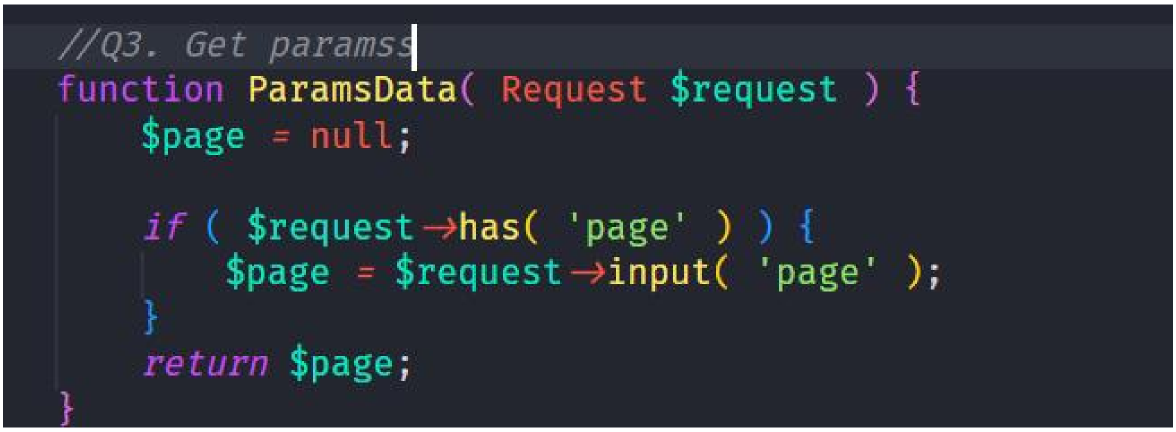
Question 3:

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.

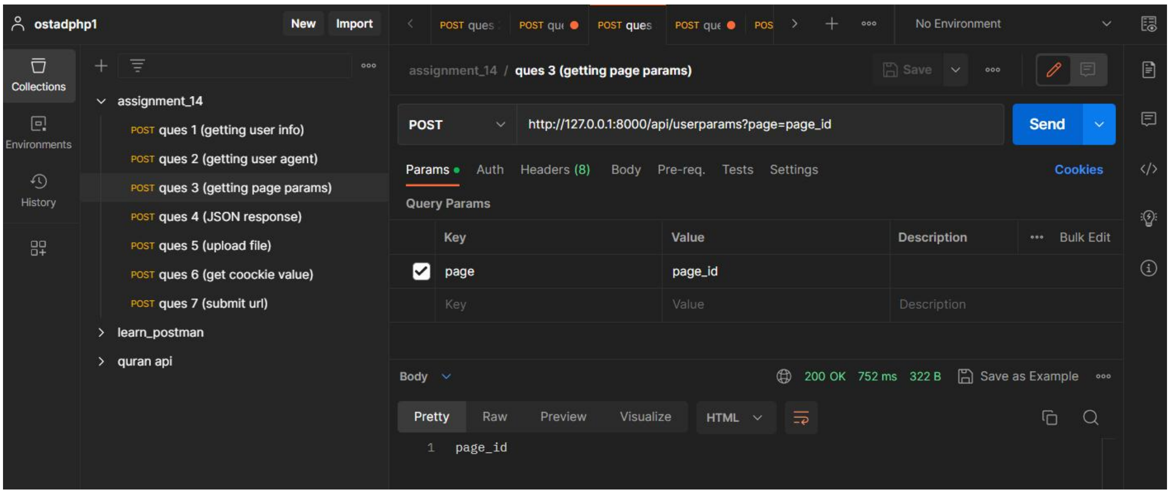
In ***AssignmentController.php***



```
//Q3. Get paramss
function ParamsData( Request $request ) {
    $page = null;

    if ( $request->has( 'page' ) ) {
        $page = $request->input( 'page' );
    }
    return $page;
}
```

Postman output



assignment_14 / ques 3 (getting page params)

POST http://127.0.0.1:8000/api/userparams?page=page_id

Query Params

Key	Value	Description
☑ page	page_id	
Key	Value	Description

200 OK 752 ms 322 B

```
1  page_id
```

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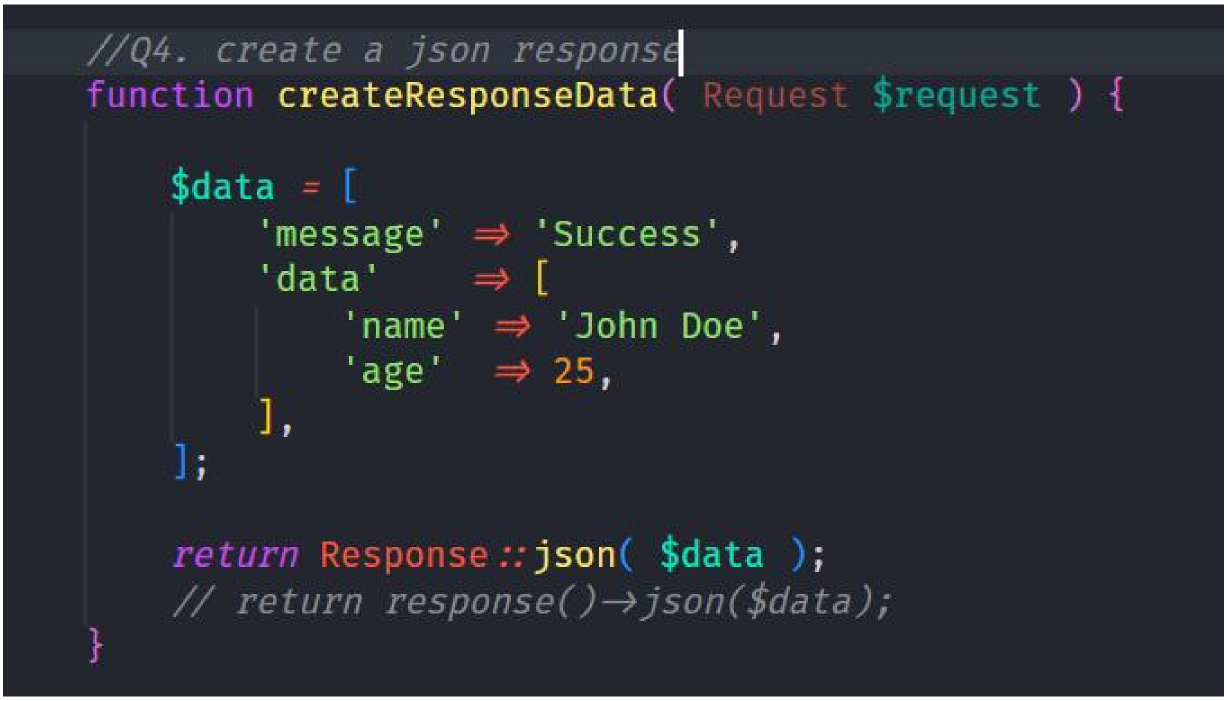
Question 4:

Create a JSON response in Laravel with the following data:

```
{
  "message": "Success",
  "data": {
    "name": "John Doe",
    "age": 25
  }
```

}
In ***AssignmentController.php***

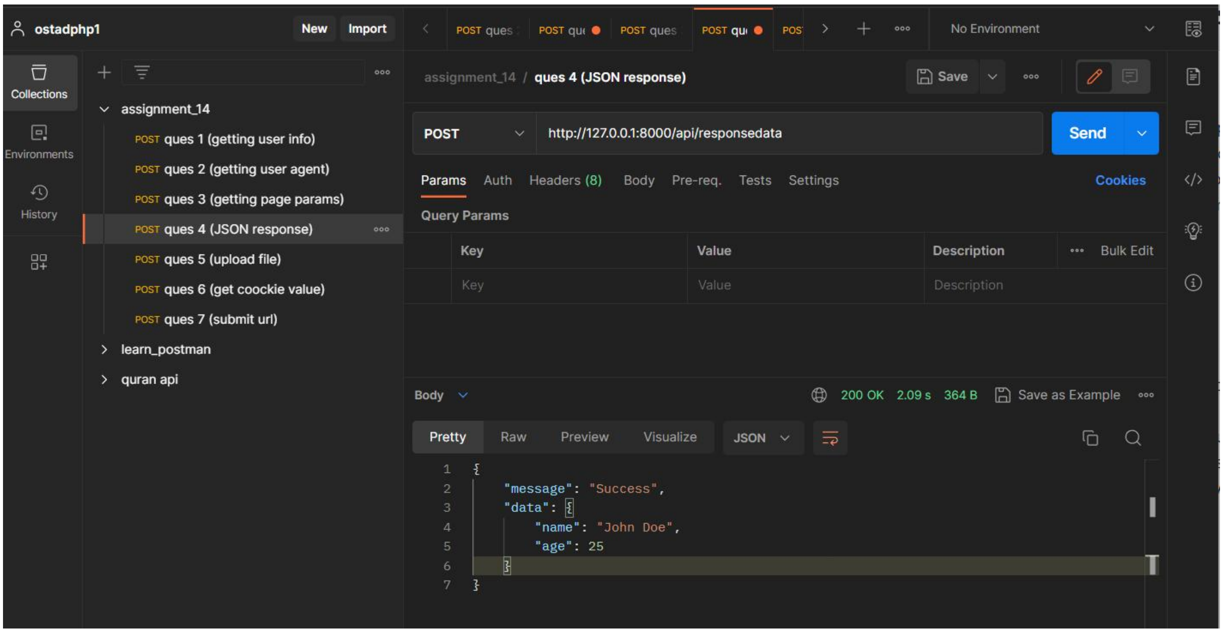


```php
//Q4. create a json response
function createResponseData( Request $request ) {

    $data = [
        'message' => 'Success',
        'data'    => [
            'name' => 'John Doe',
            'age'  => 25,
        ],
    ];

    return Response::json( $data );
    // return response()->json($data);
}
```

Postman Output



- assignment_14
  - POST ques 1 (getting user info)
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  - POST ques 6 (get coockie value)
  - POST ques 7 (submit url)
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assignment_14 / ques 4 (JSON response)

POST http://127.0.0.1:8000/api/responsedata

Key	Value	Description
Key	Value	Description

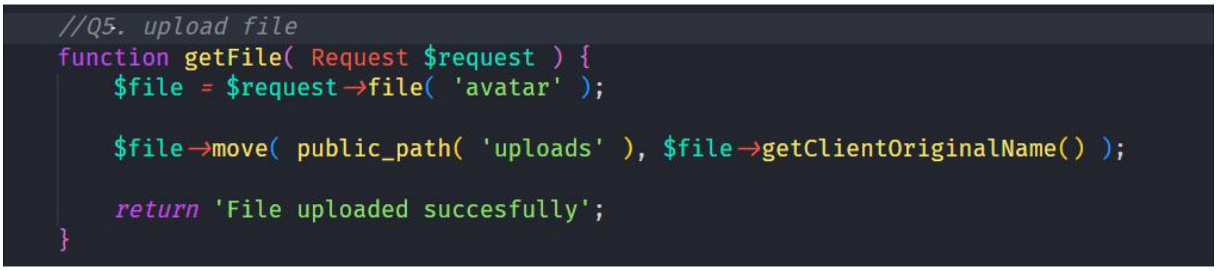
Body 200 OK 2.09 s 364 B

```json
{
    "message": "Success",
    "data": {
        "name": "John Doe",
        "age": 25
    }
}
```

===========================
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.

In ***AssignmentController.php***

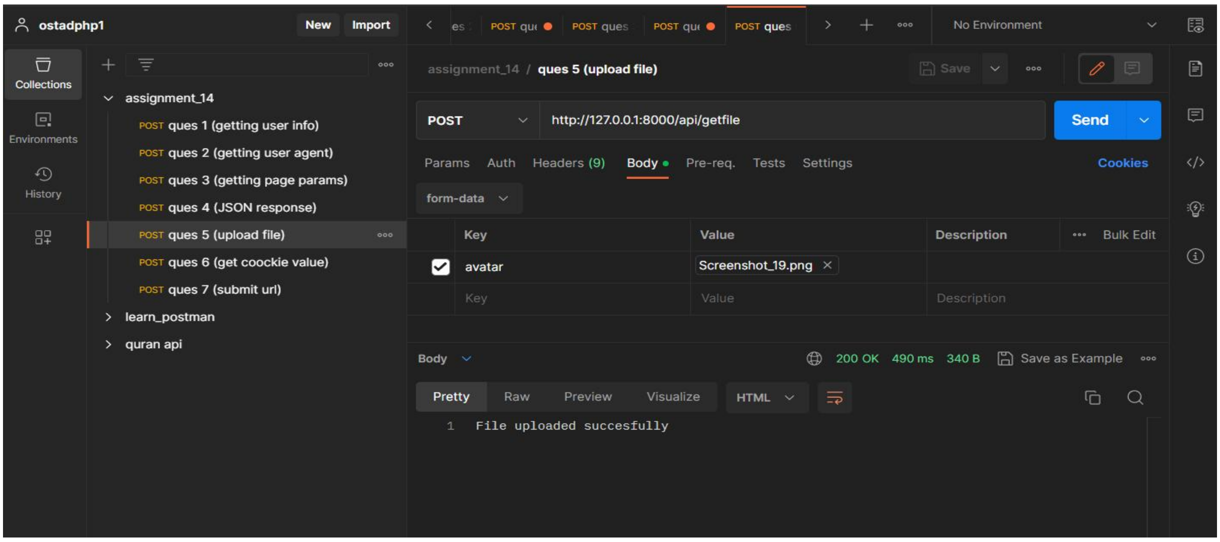


```
//Q5. upload file
function getFile( Request $request ) {
    $file = $request->file( 'avatar' );

    $file->move( public_path( 'uploads' ), $file->getClientOriginalName() );

    return 'File uploaded succesfully';
}
```

Postman Output



POST http://127.0.0.1:8000/api/getfile

form-data

Key	Value	Description
☑ avatar	Screenshot_19.png	
Key	Value	Description

Body 200 OK 490 ms 340 B

```
1  File uploaded succesfully
```

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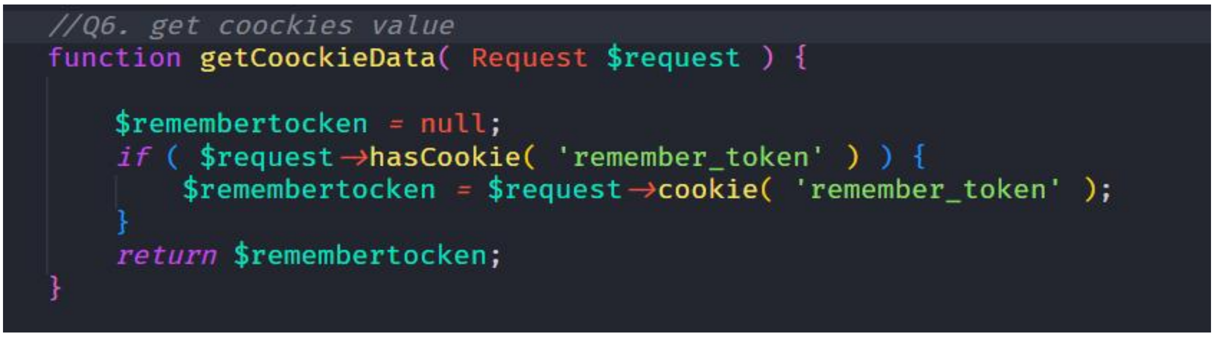
Question 6:

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.

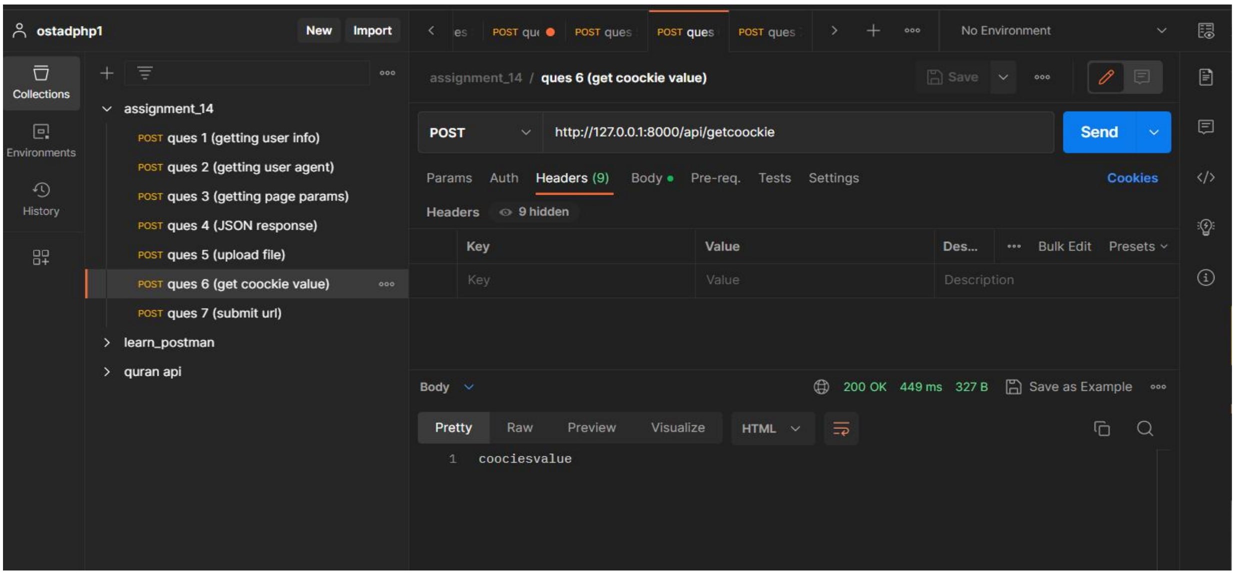
In ***AssignmentController.php***



```
//Q6. get coockies value
function getCoockieData( Request $request ) {

    $remembertocken = null;
    if ( $request->hasCookie( 'remember_token' ) ) {
        $remembertocken = $request->cookie( 'remember_token' );
    }
    return $remembertocken;
}
```

Postman Output



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- POST ques 5 (upload file)
- POST ques 6 (get coockie value)
- POST ques 7 (submit url)

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assignment_14 / ques 6 (get coockie value)

POST http://127.0.0.1:8000/api/getcoockie

200 OK 449 ms 327 B

```
coociesvalue
```

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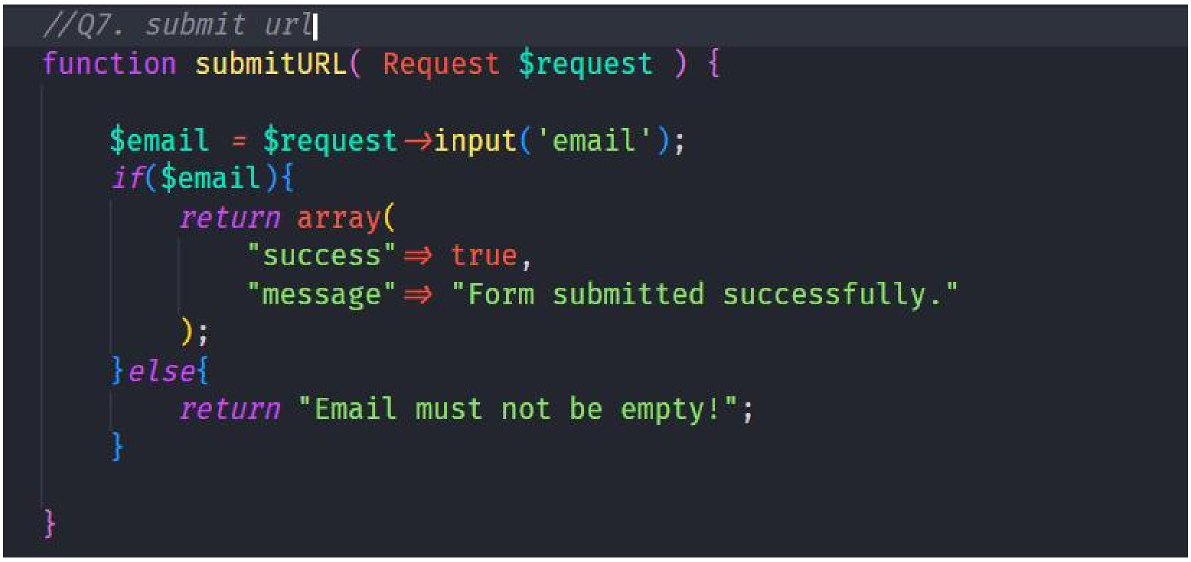
Question 7:

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."
}
```

In ***AssignmentController.php***



```
//Q7. submit url
function submitURL( Request $request ) {

    $email = $request→input('email');
    if($email){
        return array(
            "success"⇒ true,
            "message"⇒ "Form submitted successfully."
        );
    }else{
        return "Email must not be empty!";
    }

}
```

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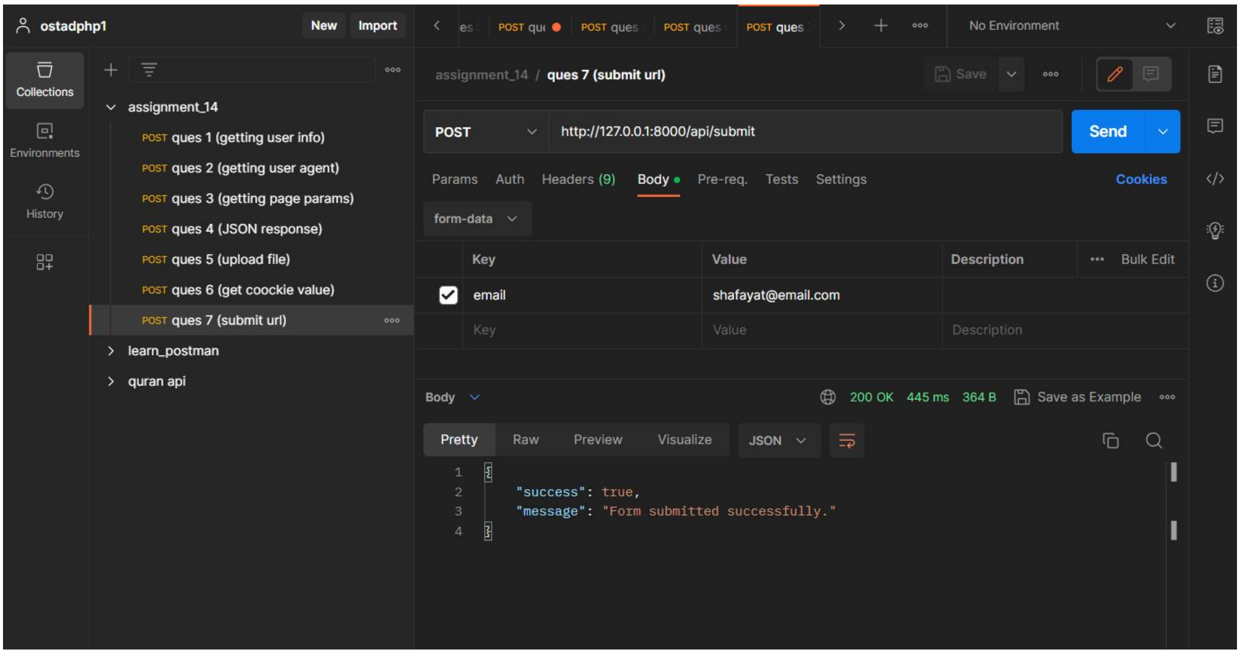
Postman Output



POST http://127.0.0.1:8000/api/submit

form-data

	Key	Value	Description
☑	email	shafayat@email.com	
	Key	Value	Description

200 OK 445 ms 364 B

```
{
    "success": true,
    "message": "Form submitted successfully."
}
```