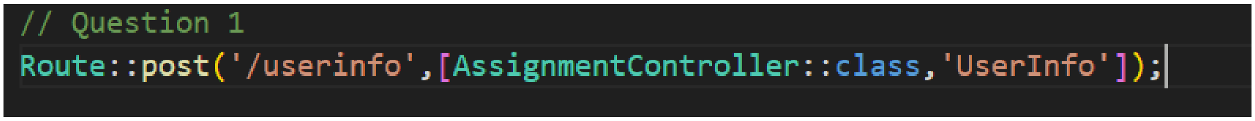
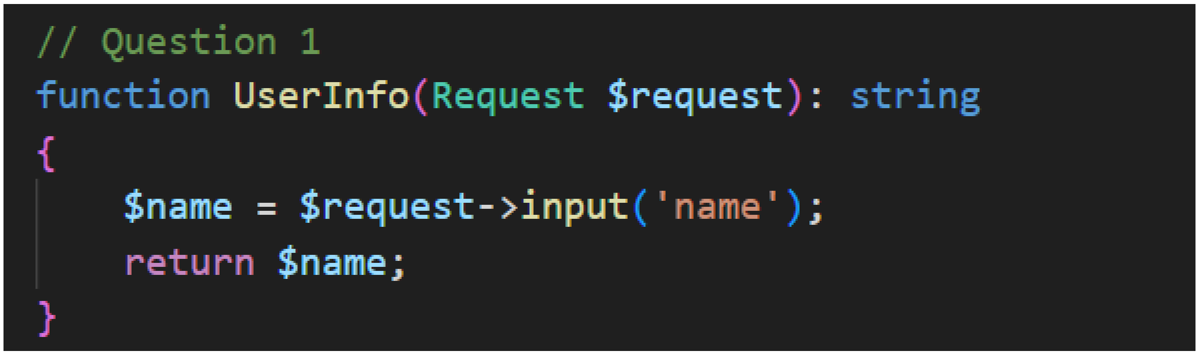
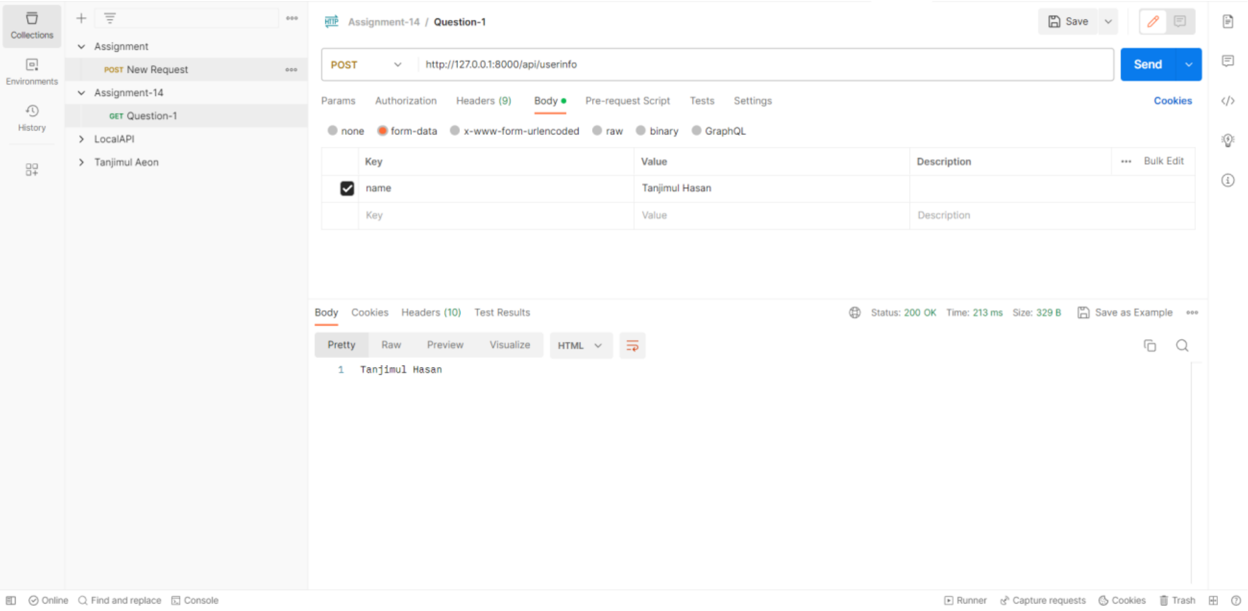
Q1. You have a Laravel application with a form that submits user information using a POST request. Write the code to retrieve the 'name' input field value from the request and store it in a variable called $name.



```
// Question 1
Route::post('/userinfo',[AssignmentController::class,'UserInfo']);
```



```
// Question 1
function UserInfo(Request $request): string
{
    $name = $request->input('name');
    return $name;
}
```



POST http://127.0.0.1:8000/api/userinfo

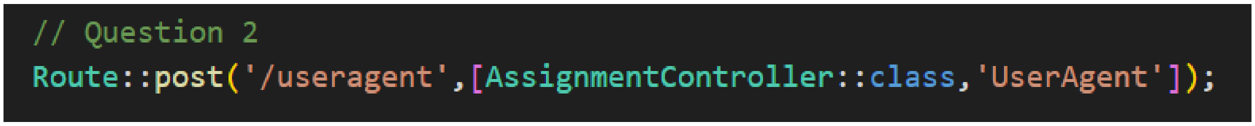
○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

	Key	Value	Description
☑	name	Tanjimul Hasan	
	Key	Value	Description

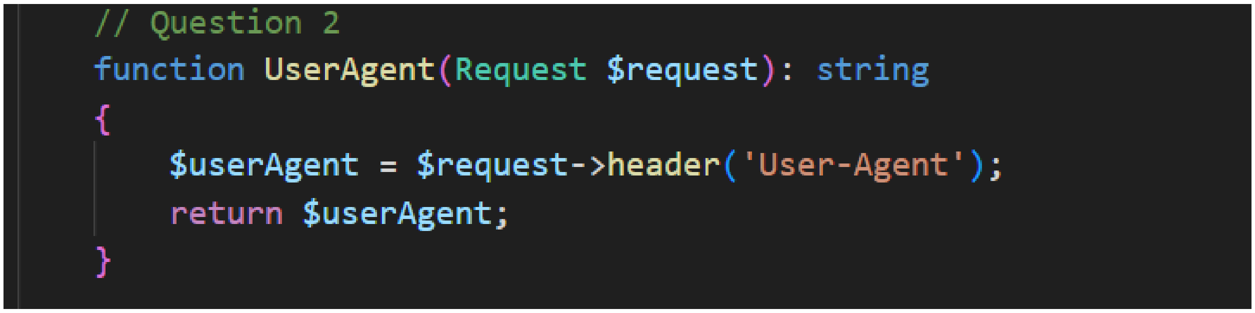
Status: 200 OK Time: 213 ms Size: 329 B

```
Tanjimul Hasan
```

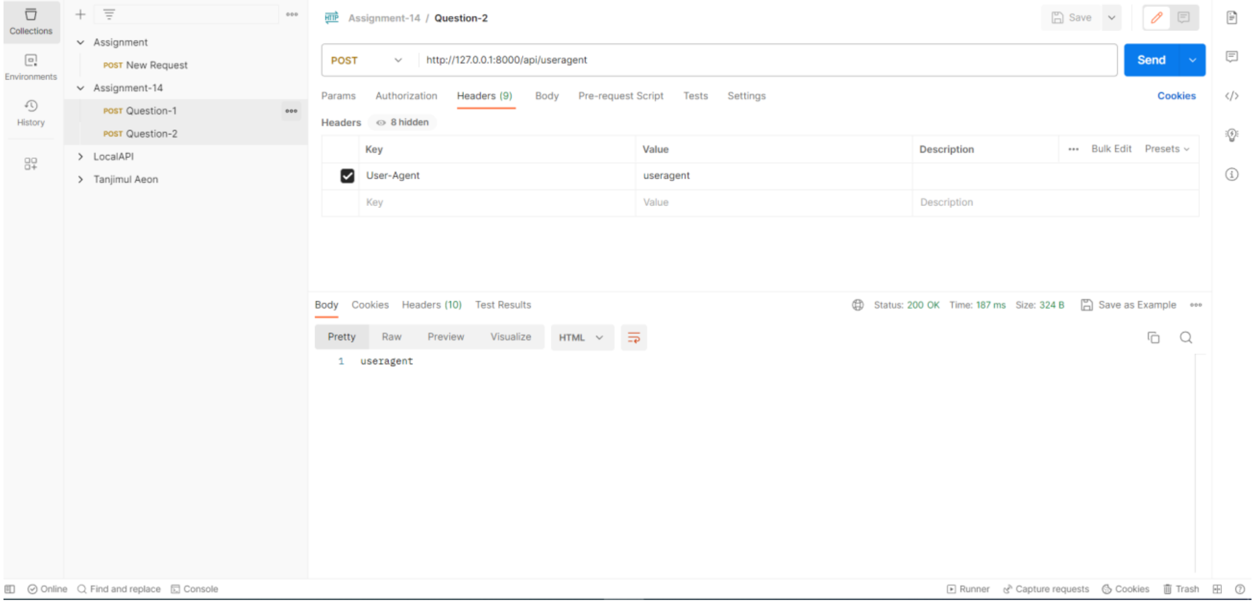
Q2. In your Laravel application, you want to retrieve the value of the 'User-Agent' header from the current request. Write the code to accomplish this and store the value in a variable called $userAgent.



```
// Question 2
Route::post('/useragent',[AssignmentController::class,'UserAgent']);
```



```php
// Question 2
function UserAgent(Request $request): string
{
    $userAgent = $request->header('User-Agent');
    return $userAgent;
}
```



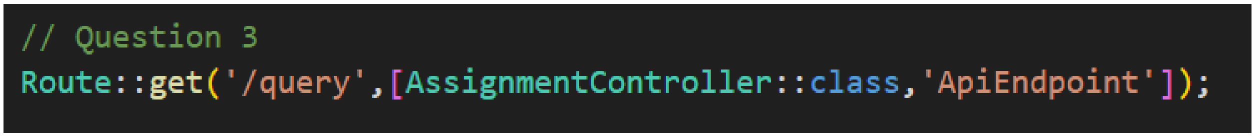
POST http://127.0.0.1:8000/api/useragent

	Key	Value	Description
☑	User-Agent	useragent	
	Key	Value	Description

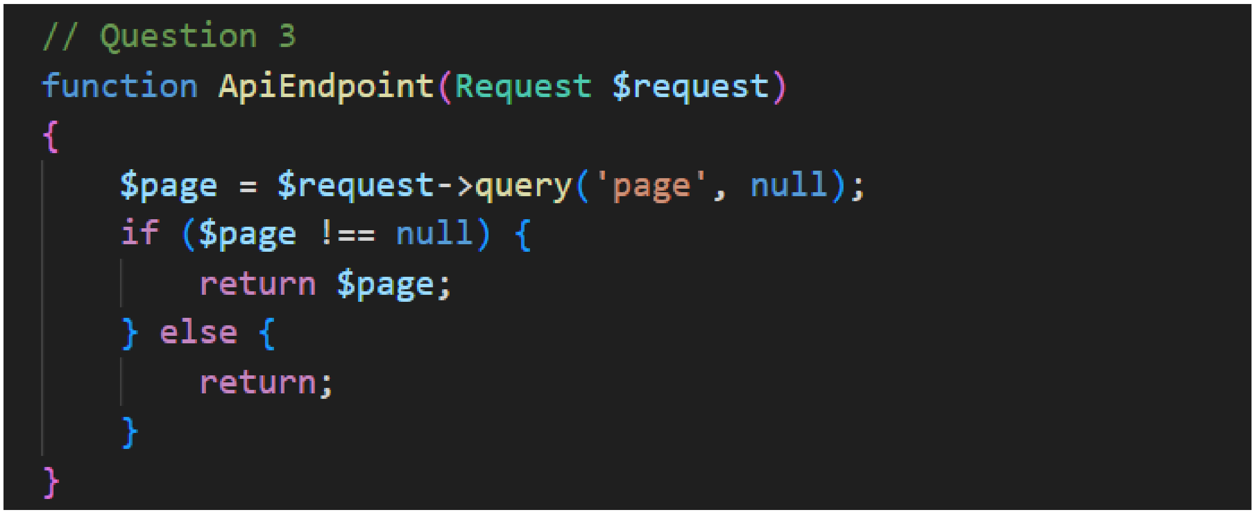
Status: 200 OK Time: 187 ms Size: 324 B

```
useragent
```

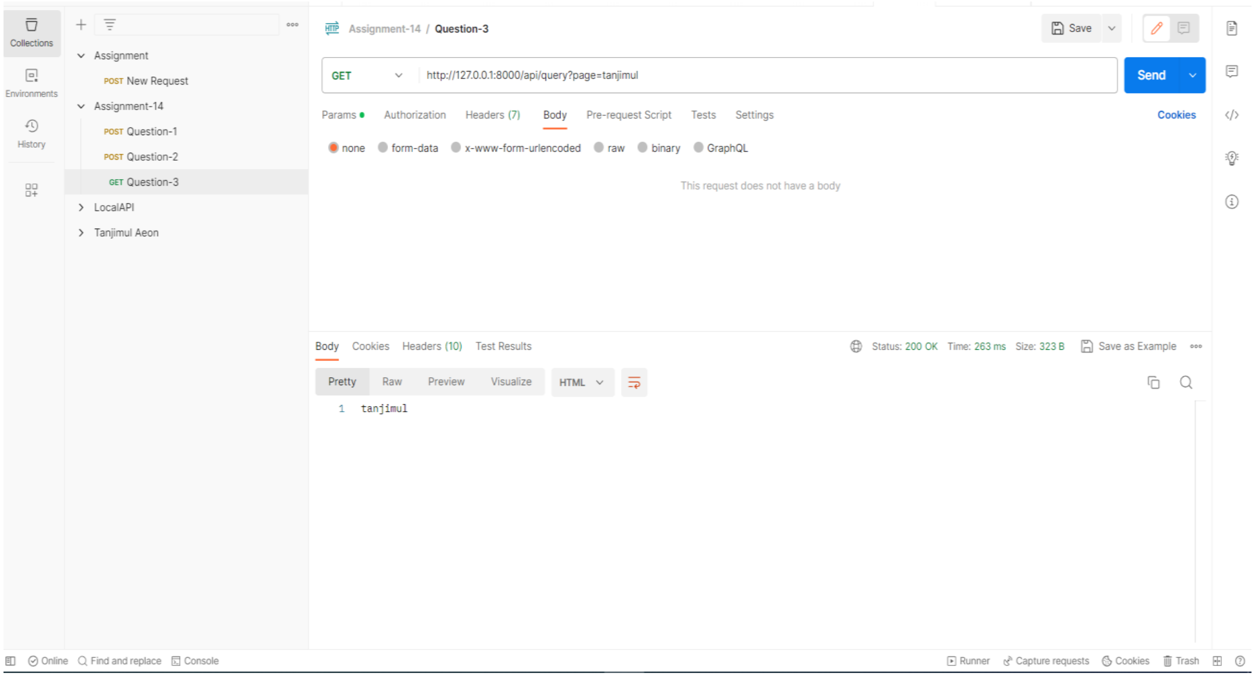
Q3. You are building an API endpoint in Laravel that accepts a GET request with a 'page' query parameter. Write the code to retrieve the value of the 'page' parameter from the current request and store it in a variable called $page. If the parameter is not present, set $page to null.



```php
// Question 3
Route::get('/query',[AssignmentController::class,'ApiEndpoint']);
```



```php
// Question 3
function ApiEndpoint(Request $request)
{
    $page = $request->query('page', null);
    if ($page !== null) {
        return $page;
    } else {
        return;
    }
}
```



GET http://127.0.0.1:8000/api/query?page=tanjimul

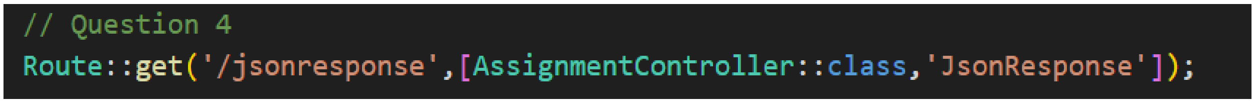
This request does not have a body

Status: 200 OK Time: 263 ms Size: 323 B

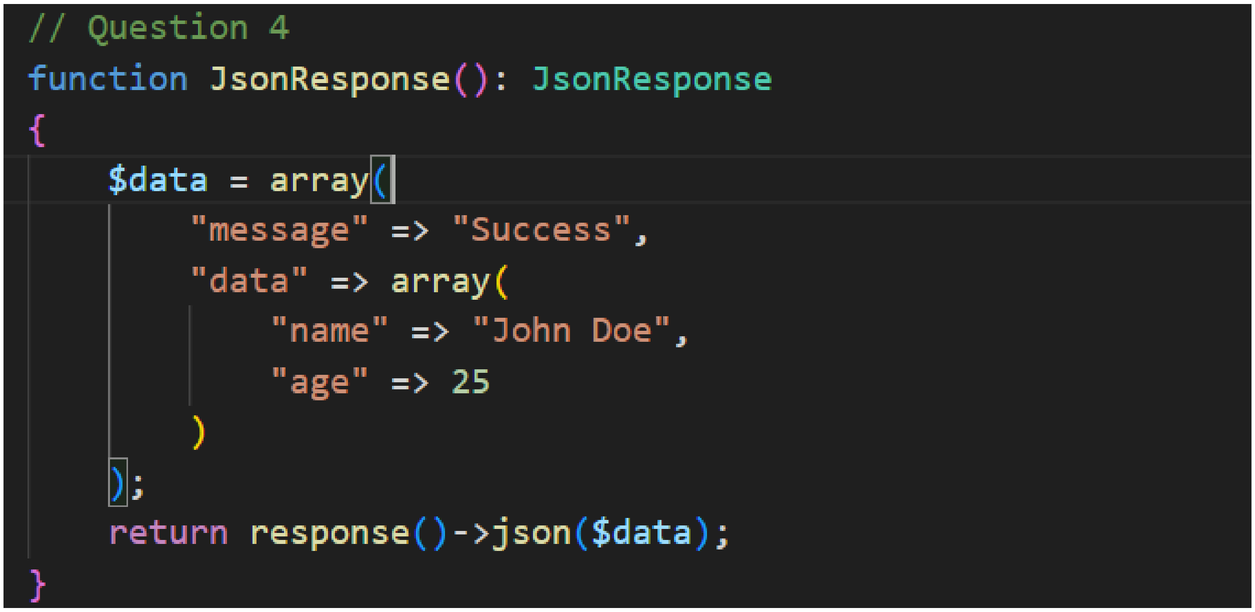
```
tanjimul
```

Q4. Create a JSON response in Laravel with the following data:

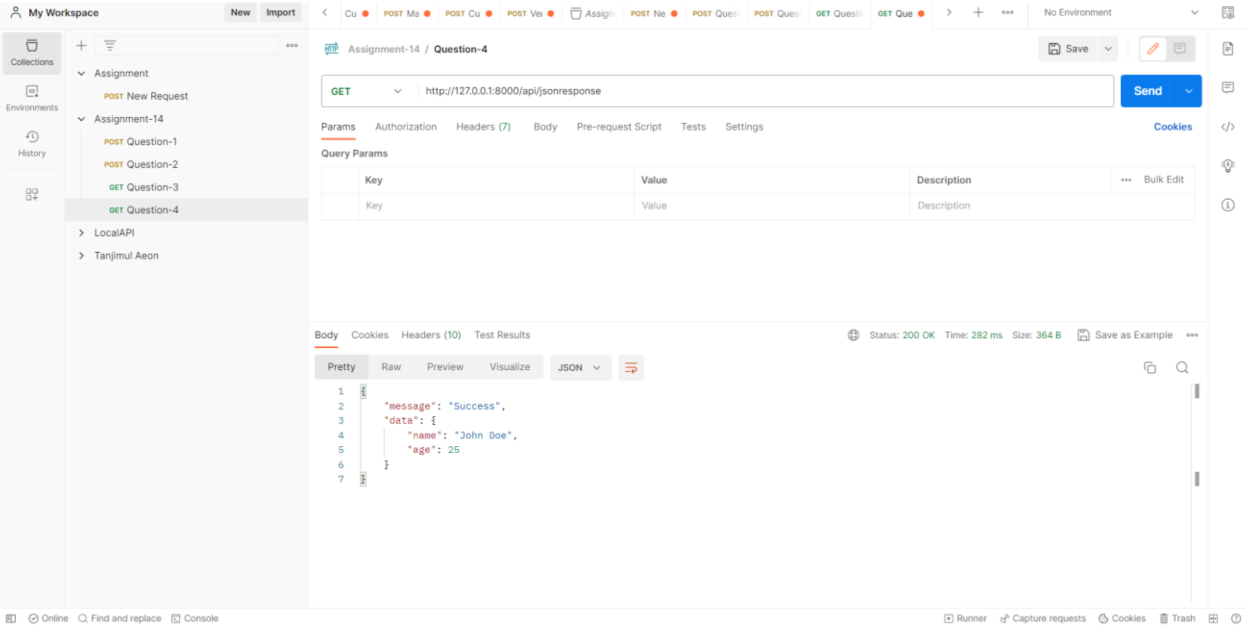
```
{
    "message": "Success",
    "data": {
        "name": "John Doe",
        "age": 25
    }
}
```



```php
// Question 4
Route::get('/jsonresponse',[AssignmentController::class,'JsonResponse']);
```



```php
// Question 4
function JsonResponse(): JsonResponse
{
    $data = array(
        "message" => "Success",
        "data" => array(
            "name" => "John Doe",
            "age" => 25
        )
    );
    return response()->json($data);
}
```



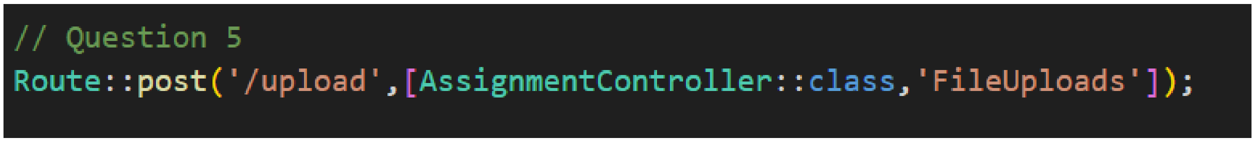
GET http://127.0.0.1:8000/api/jsonresponse

Key	Value	Description
Key	Value	Description

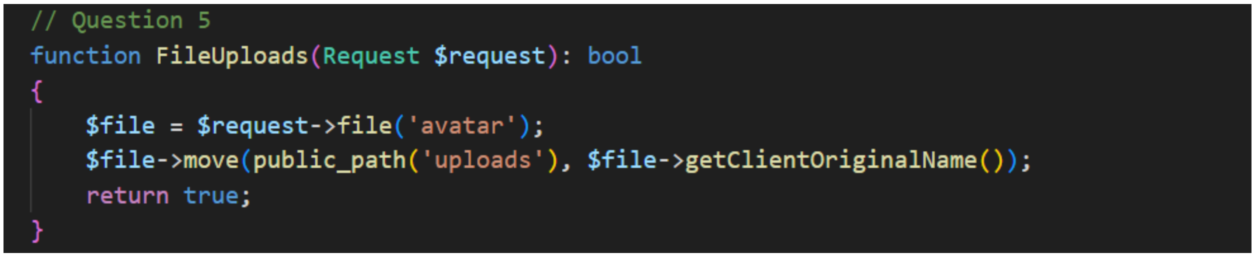
Status: 200 OK Time: 282 ms Size: 364 B

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

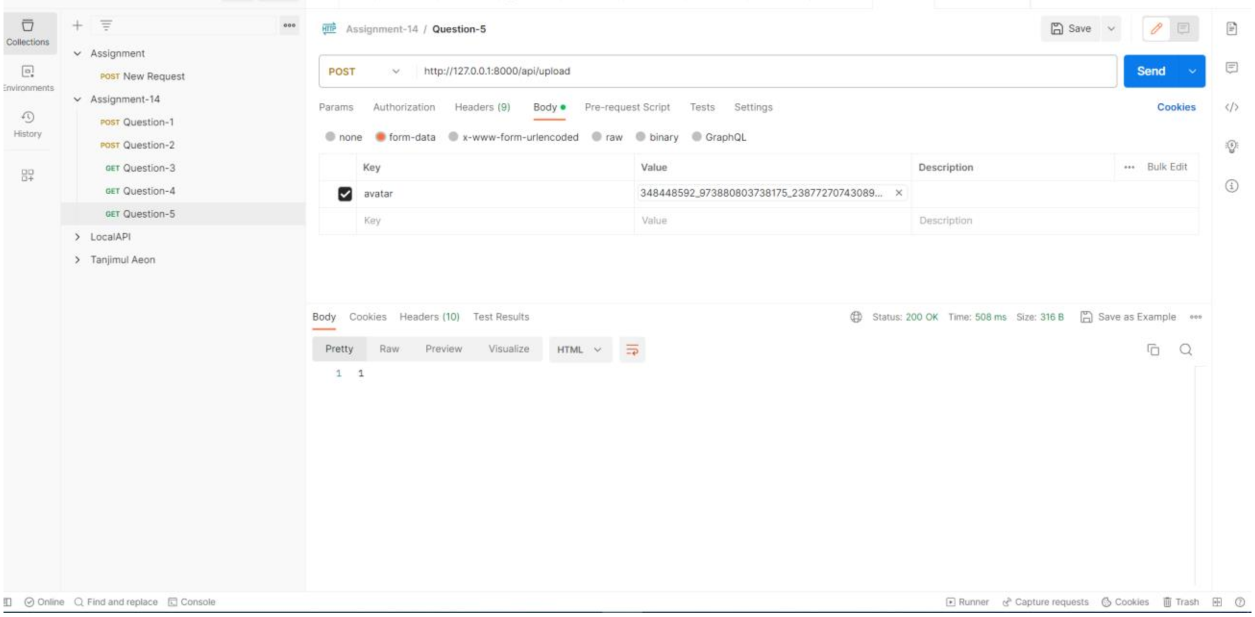
Q5. You are implementing a file upload feature in your Laravel application. Write the code to handle a file upload named 'avatar' in the current request and store the uploaded file in the 'public/uploads' directory. Use the original filename for the uploaded file.



```
// Question 5
Route::post('/upload',[AssignmentController::class,'FileUploads']);
```



```
// Question 5
function FileUploads(Request $request): bool
{
    $file = $request->file('avatar');
    $file->move(public_path('uploads'), $file->getClientOriginalName());
    return true;
}
```



POST http://127.0.0.1:8000/api/upload

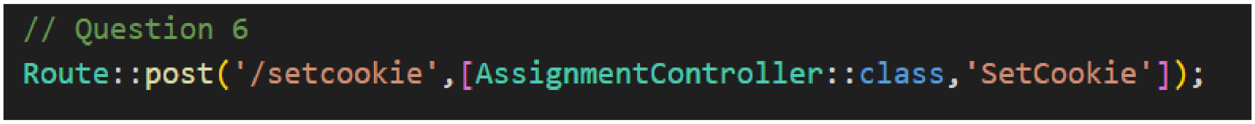
○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

	Key	Value	Description
☑	avatar	348448592_973880803738175_23877270743089...	
	Key	Value	Description

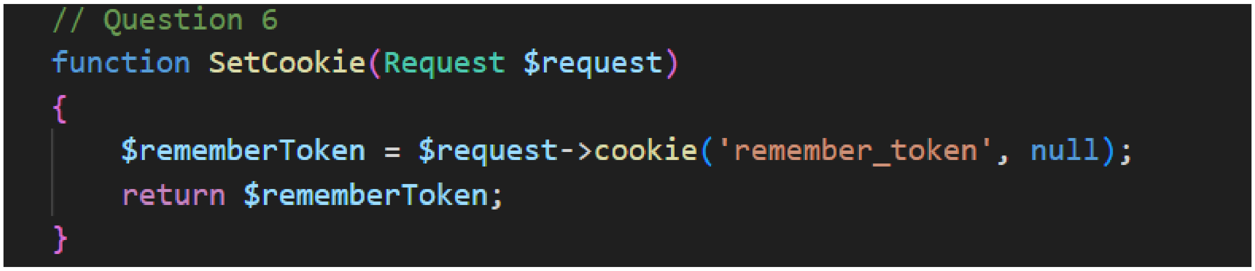
Body — Status: 200 OK Time: 508 ms Size: 316 B

```
1
```

Q6. 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.



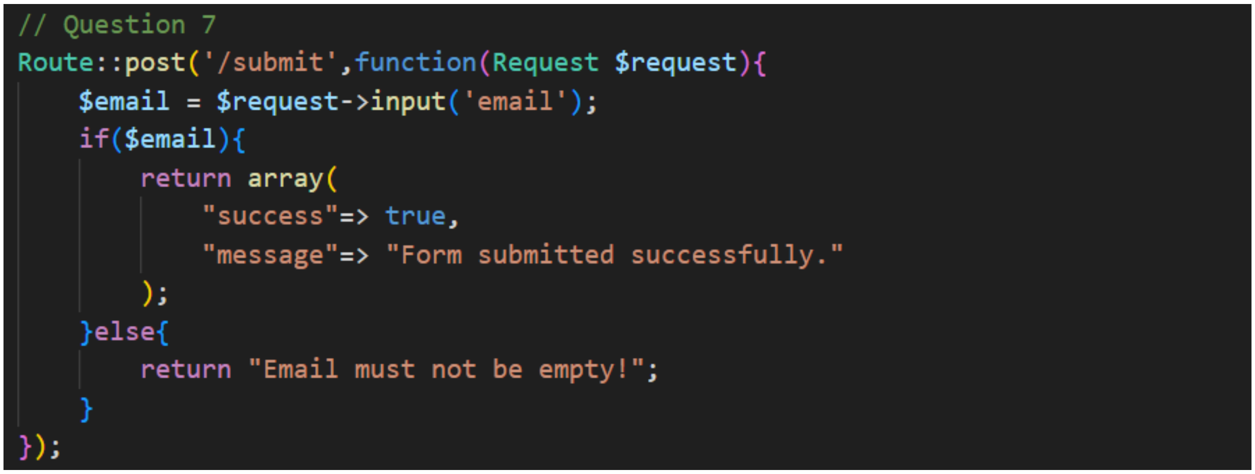
```
// Question 6
Route::post('/setcookie',[AssignmentController::class,'SetCookie']);
```



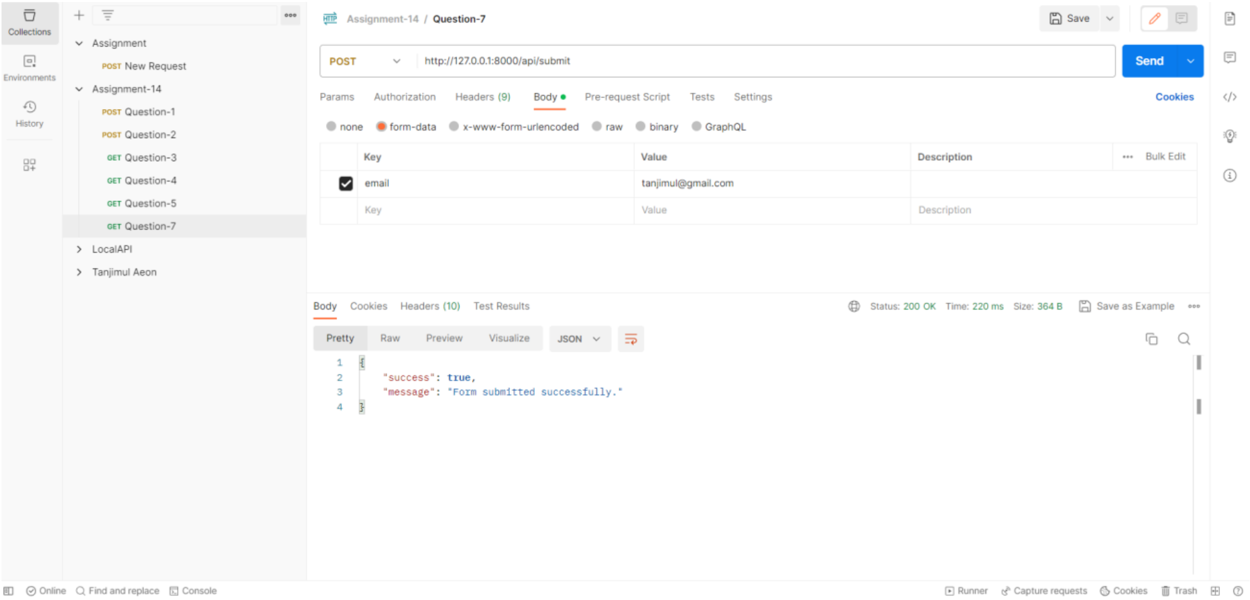
```
// Question 6
function SetCookie(Request $request)
{
    $rememberToken = $request->cookie('remember_token', null);
    return $rememberToken;
}
```

Q7. 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."
}
```



```php
// Question 7
Route::post('/submit',function(Request $request){
    $email = $request->input('email');
    if($email){
        return array(
            "success"=> true,
            "message"=> "Form submitted successfully."
        );
    }else{
        return "Email must not be empty!";
    }
});
```



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

○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary ○ GraphQL

	Key	Value	Description
☑	email	tanjimul@gmail.com	
	Key	Value	Description

Status: 200 OK Time: 220 ms Size: 364 B

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