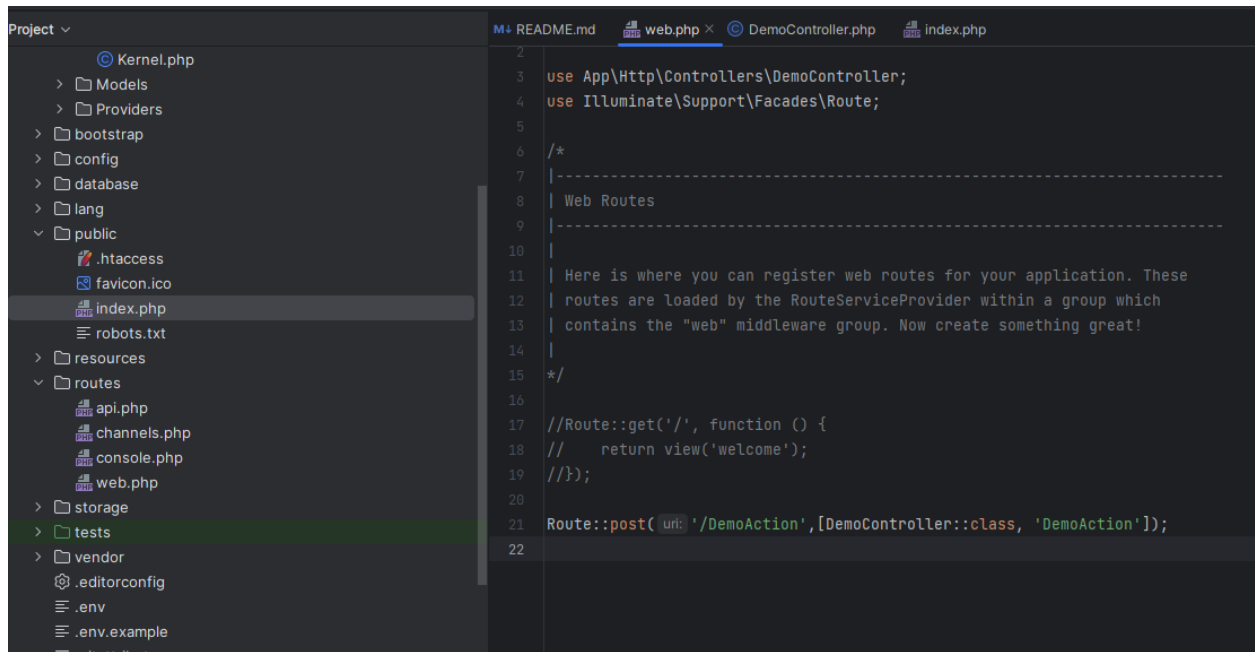


### Question 1:

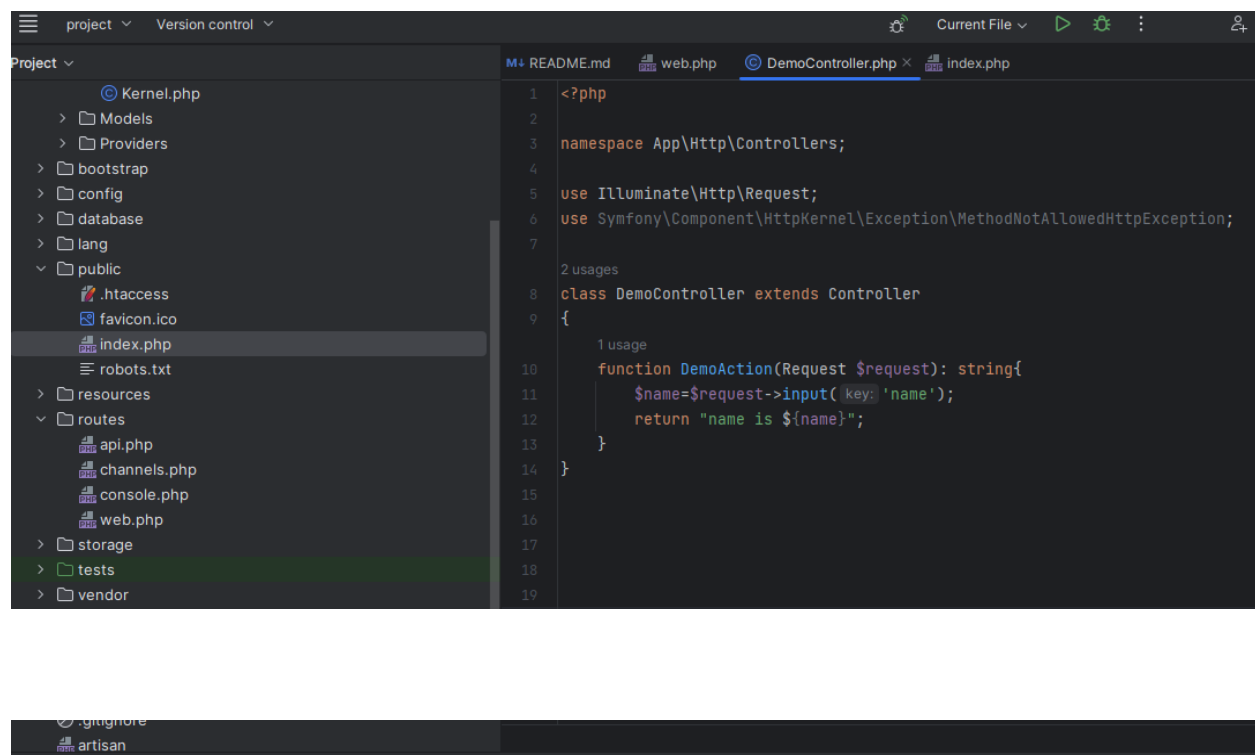
You have a Laravel application with a form that submits user information using a POST request. Write the code to retrieve the 'name' input field value from the request and store it in a variable called \$name.

Web.php file-



```
Project ▾  
  Kernel.php  
  > Models  
  > Providers  
  > bootstrap  
  > config  
  > database  
  > lang  
  ▾ public  
    .htaccess  
    favicon.ico  
    index.php  
    robots.txt  
  > resources  
  ▾ routes  
    api.php  
    channels.php  
    console.php  
    web.php  
  > storage  
  > tests  
  > vendor  
    .editorconfig  
    .env  
    .env.example  
    .gitattributes  
  README.md  
  web.php  
  DemoController.php  
  index.php  
  2  
  3 use App\Http\Controllers\DemoController;  
  4 use Illuminate\Support\Facades\Route;  
  5  
  6 /*  
  7 |-----  
  8 | Web Routes  
  9 |-----  
 10 |  
 11 | Here is where you can register web routes for your application. These  
 12 | routes are loaded by the RouteServiceProvider within a group which  
 13 | contains the "web" middleware group. Now create something great!  
 14 |  
 15 */  
 16  
 17 //Route::get('/', function () {  
 18 //     return view('welcome');  
 19 //});  
 20  
 21 Route::post('url: '/DemoAction', [DemoController::class, 'DemoAction']);  
 22
```

Democontroller.php file-

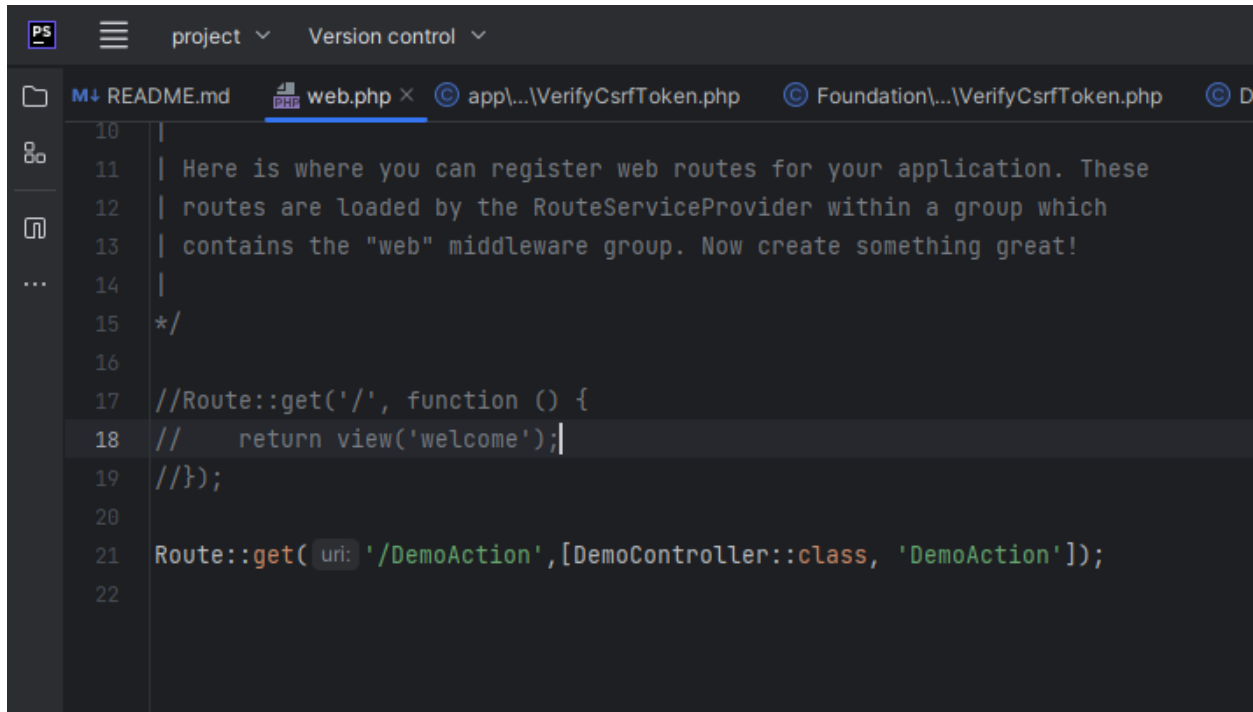


```
project ▾ Version control ▾  
  Kernel.php  
  > Models  
  > Providers  
  > bootstrap  
  > config  
  > database  
  > lang  
  ▾ public  
    .htaccess  
    favicon.ico  
    index.php  
    robots.txt  
  > resources  
  ▾ routes  
    api.php  
    channels.php  
    console.php  
    web.php  
  > storage  
  > tests  
  > vendor  
  README.md  
  web.php  
  DemoController.php  
  index.php  
  1 <?php  
  2  
  3 namespace App\Http\Controllers;  
  4  
  5 use Illuminate\Http\Request;  
  6 use Symfony\Component\HttpKernel\Exception\MethodNotAllowedHttpException;  
  7  
  8 2 usages  
  9 class DemoController extends Controller  
 10 {  
 11 1 usage  
 12     function DemoAction(Request $request): string{  
 13         $name=$request->input(key: 'name');  
 14         return "name is ${name}";  
 15     }  
 16 }  
 17  
 18  
 19
```

## Question 2:

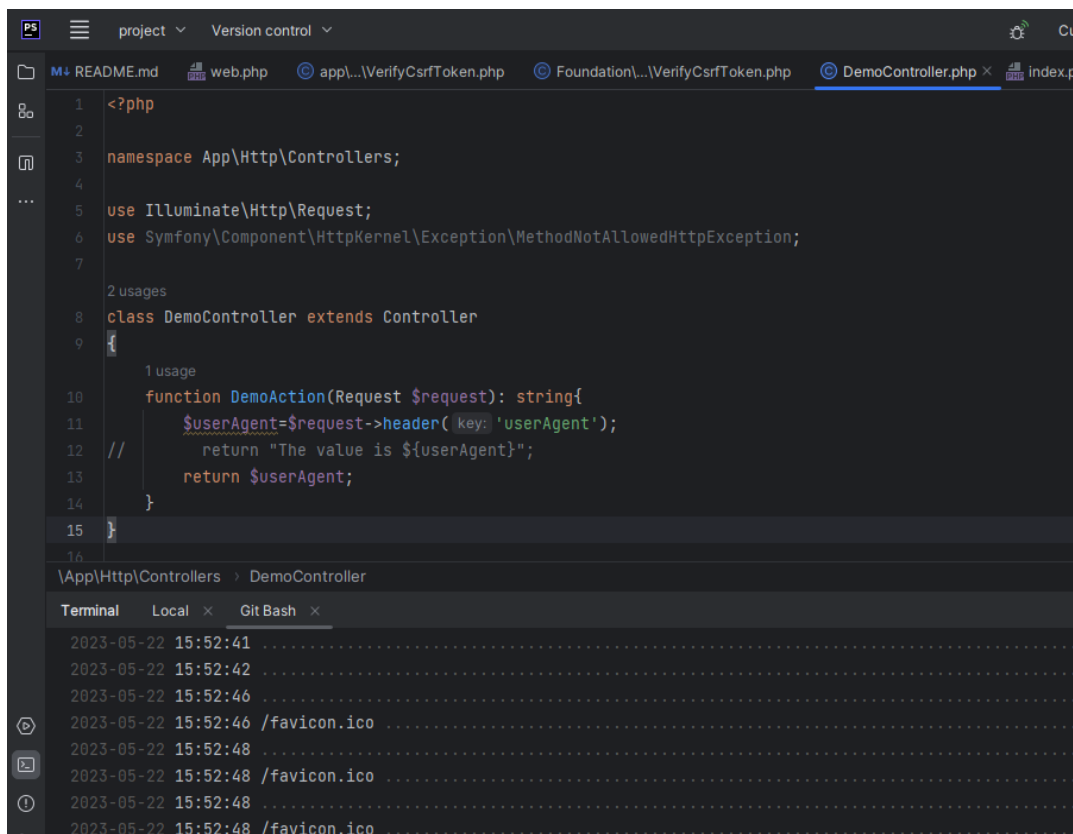
In your Laravel application, you want to retrieve the value of the 'User-Agent' header from the current request. Write the code to accomplish this and store the value in a variable called \$userAgent.

Web.php file-



```
10 |
11 | Here is where you can register web routes for your application. These
12 | routes are loaded by the RouteServiceProvider within a group which
13 | contains the "web" middleware group. Now create something great!
14 |
15 */
16
17 //Route::get('/', function () {
18 //     return view('welcome');
19 //});
20
21 Route::get( uri: '/DemoAction',[DemoController::class, 'DemoAction']);
22
```

DemoController.php file-



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6 use Symfony\Component\HttpKernel\Exception\MethodNotAllowedHttpException;
7
8 class DemoController extends Controller
9 {
10     function DemoAction(Request $request): string{
11         $userAgent=$request->header( key: 'userAgent');
12         //         return "The value is ${userAgent}";
13         return $userAgent;
14     }
15 }
16
```

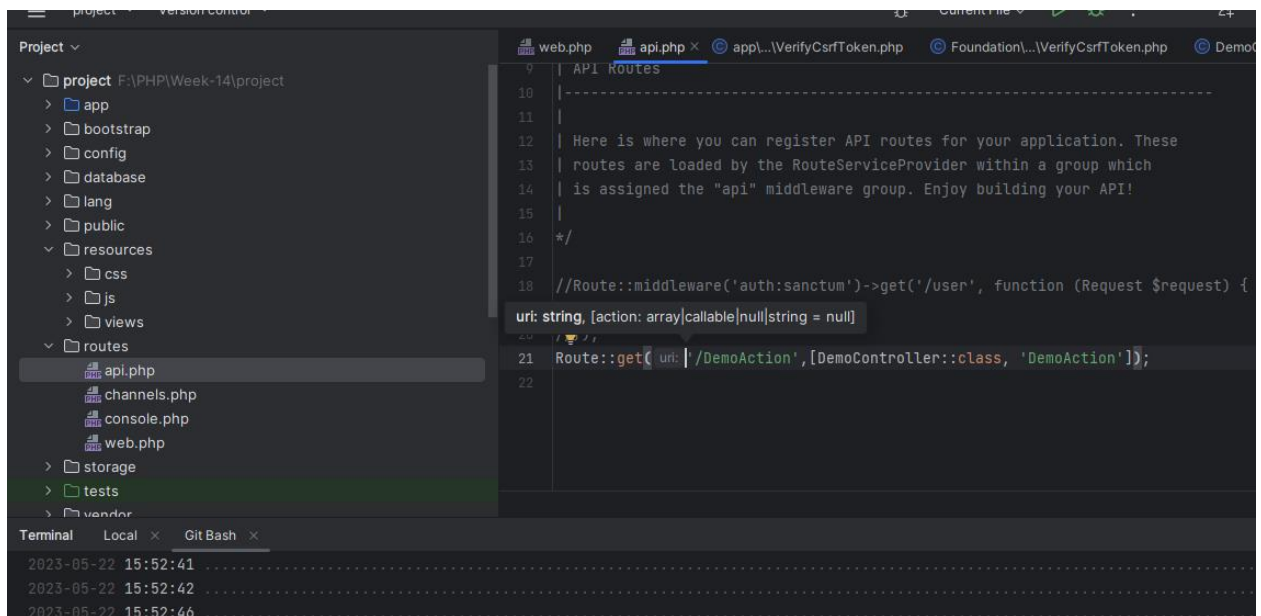
Terminal Local x Git Bash x

```
2023-05-22 15:52:41 .....
2023-05-22 15:52:42 .....
2023-05-22 15:52:46 .....
2023-05-22 15:52:46 /favicon.ico .....
2023-05-22 15:52:48 /favicon.ico .....
2023-05-22 15:52:48 /favicon.ico .....
2023-05-22 15:52:48 /favicon.ico .....
2023-05-22 15:52:48 /favicon.ico .....
```

### Question 3:

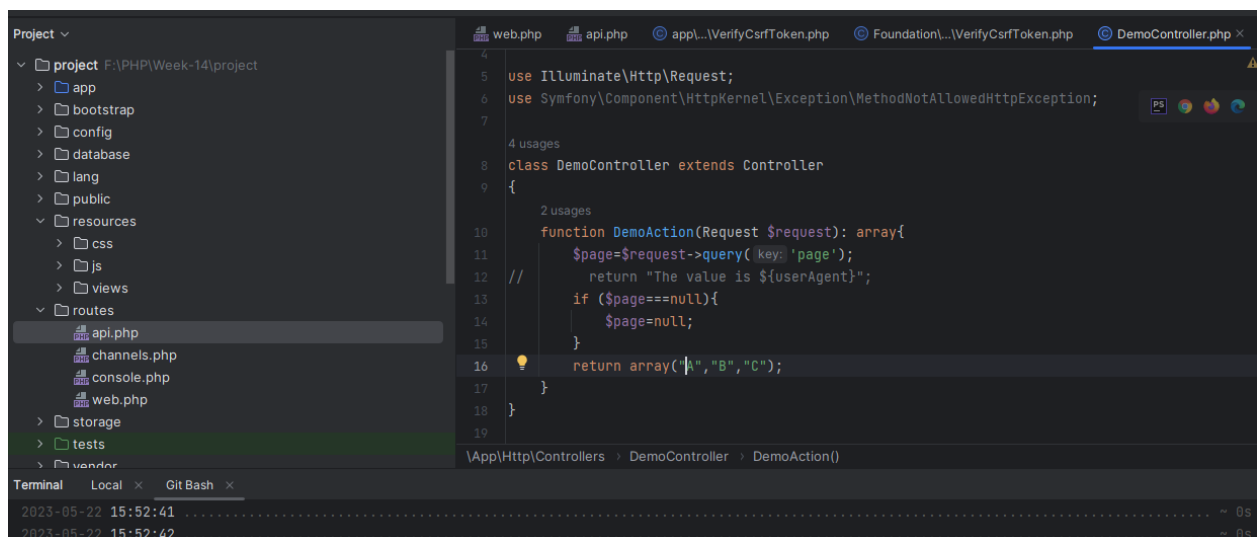
You are building an API endpoint in Laravel that accepts a GET request with a 'page' query parameter. Write the code to retrieve the value of the 'page' parameter from the current request and store it in a variable called \$page. If the parameter is not present, set \$page to null.

Web.php file-



```
9 | API Routes
10 | -----
11 |
12 | Here is where you can register API routes for your application. These
13 | routes are loaded by the RouteServiceProvider within a group which
14 | is assigned the "api" middleware group. Enjoy building your API!
15 |
16 | */
17 |
18 | //Route::middleware('auth:sanctum')->get('/user', function (Request $request) {
19 |     //
20 | });
21 | Route::get('url: /DemoAction', [DemoController::class, 'DemoAction']);
22 |
```

DemoController.php file-



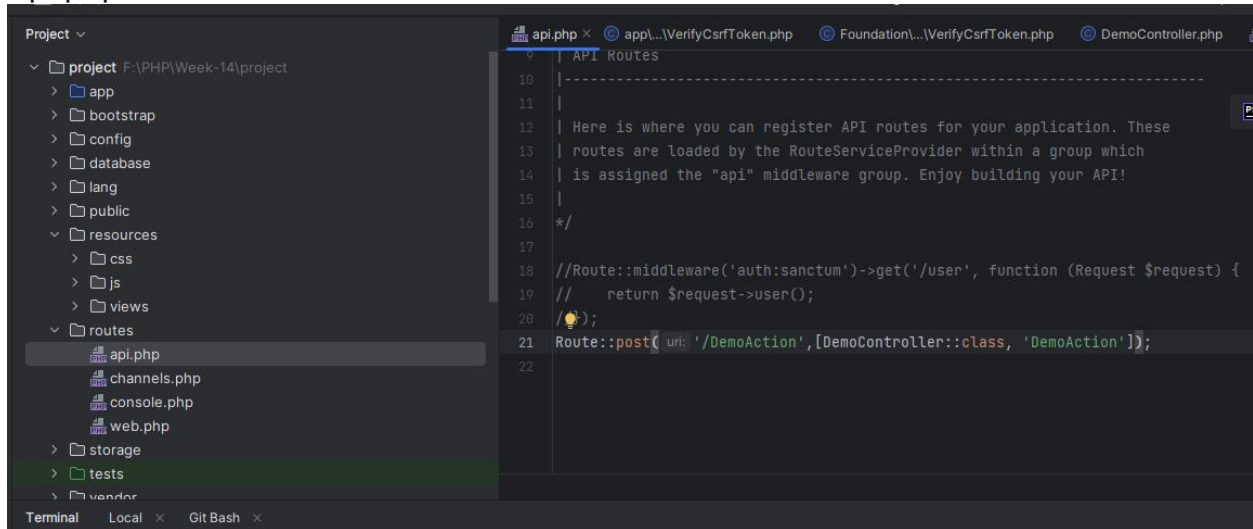
```
4 use Illuminate\Http\Request;
5 use Symfony\Component\HttpFoundation\Exception\MethodNotAllowedHttpException;
6
7
8 class DemoController extends Controller
9 {
10     function DemoAction(Request $request): array{
11         $page=$request->query( key: 'page');
12         // return "The value is ${userAgent}";
13         if ($page==null){
14             $page=null;
15         }
16         return array("A","B","C");
17     }
18 }
19
```

#### Question 4:

Create a JSON response in Laravel with the following data:

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

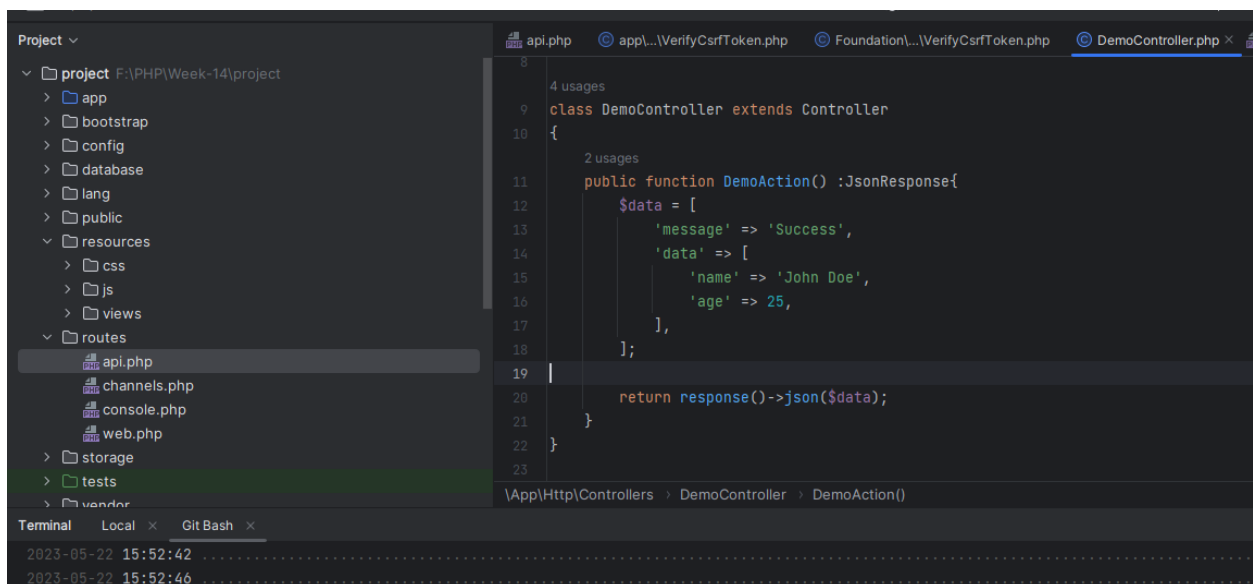
Api.php file-



```
Project
└─ project F:\PHP\Week-14\project
   └─ routes
      └─ api.php
         └─ channels.php
            └─ console.php
               └─ web.php
                  └─ storage
                     └─ tests
                        └─ vendor
```

```
api.php
10 | -----
11 |
12 | Here is where you can register API routes for your application. These
13 | routes are loaded by the RouteServiceProvider within a group which
14 | is assigned the "api" middleware group. Enjoy building your API!
15 |
16 | */
17 |
18 | //Route::middleware('auth:sanctum')->get('/user', function (Request $request) {
19 | //    return $request->user();
20 | //});
21 | Route::post('/DemoAction', [DemoController::class, 'DemoAction']);
22 |
```

DemoController.php file-



```
Project
└─ project F:\PHP\Week-14\project
   └─ routes
      └─ api.php
         └─ channels.php
            └─ console.php
               └─ web.php
                  └─ storage
                     └─ tests
                        └─ vendor
```

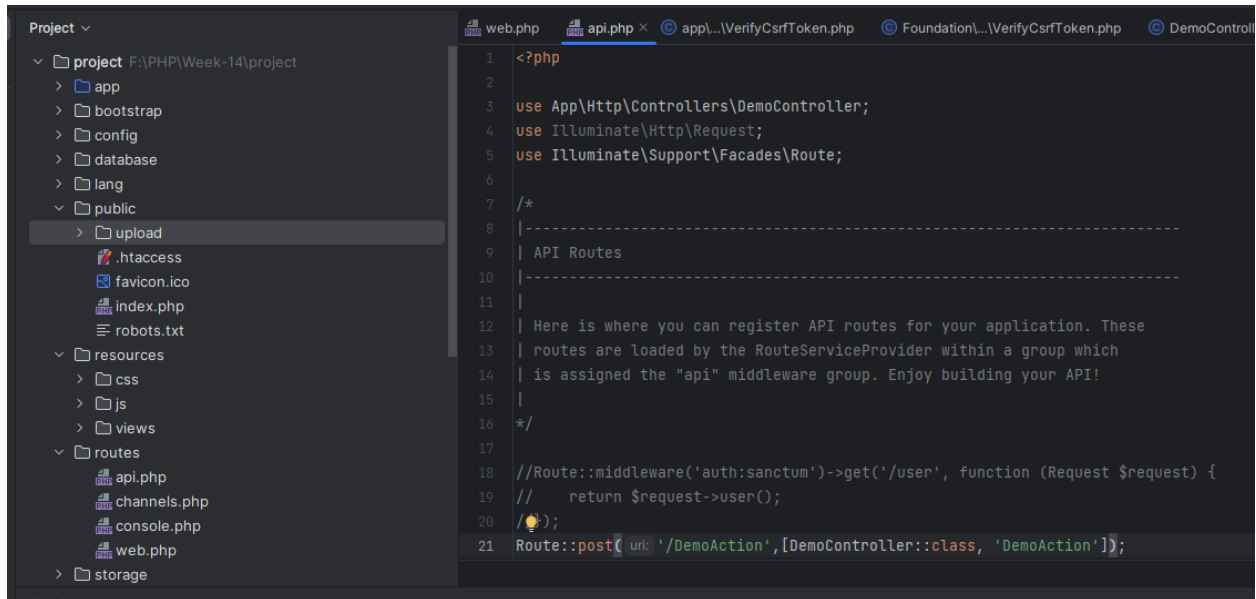
```
DemoController.php
8 | 4 usages
9 | class DemoController extends Controller
10 | {
11 |     2 usages
12 |     public function DemoAction() :JsonResponse{
13 |         $data = [
14 |             'message' => 'Success',
15 |             'data' => [
16 |                 'name' => 'John Doe',
17 |                 'age' => 25,
18 |             ],
19 |         ];
20 |         return response()->json($data);
21 |     }
22 | }
23 |
```

```
Terminal
2023-05-22 15:52:42
2023-05-22 15:52:46
```

### Question 5:

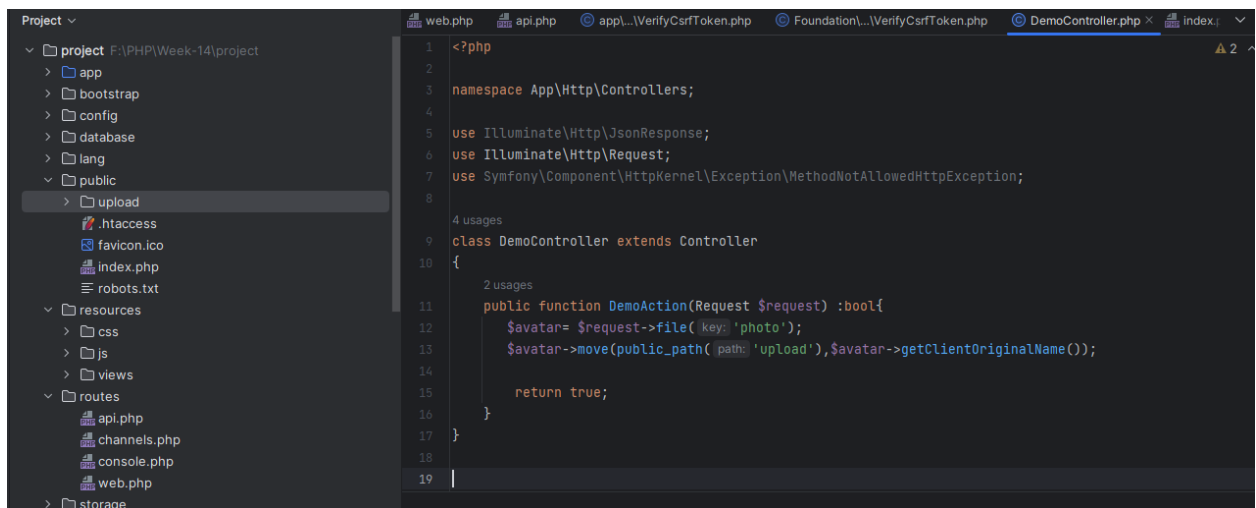
You are implementing a file upload feature in your Laravel application. Write the code to handle a file upload named 'avatar' in the current request and store the uploaded file in the 'public/uploads' directory. Use the original filename for the uploaded file.

Api.php file-



```
1 <?php
2
3 use App\Http\Controllers\DemoController;
4 use Illuminate\Http\Request;
5 use Illuminate\Support\Facades\Route;
6
7 /*
8 |-----
9 | API Routes
10 |-----
11 |
12 | Here is where you can register API routes for your application. These
13 | routes are loaded by the RouteServiceProvider within a group which
14 | is assigned the "api" middleware group. Enjoy building your API!
15 |
16 */
17
18 //Route::middleware('auth:sanctum')->get('/user', function (Request $request) {
19 //    return $request->user();
20 //});
21 Route::post('uri: '/DemoAction',[DemoController::class, 'DemoAction']);
```

DemoController.php file-

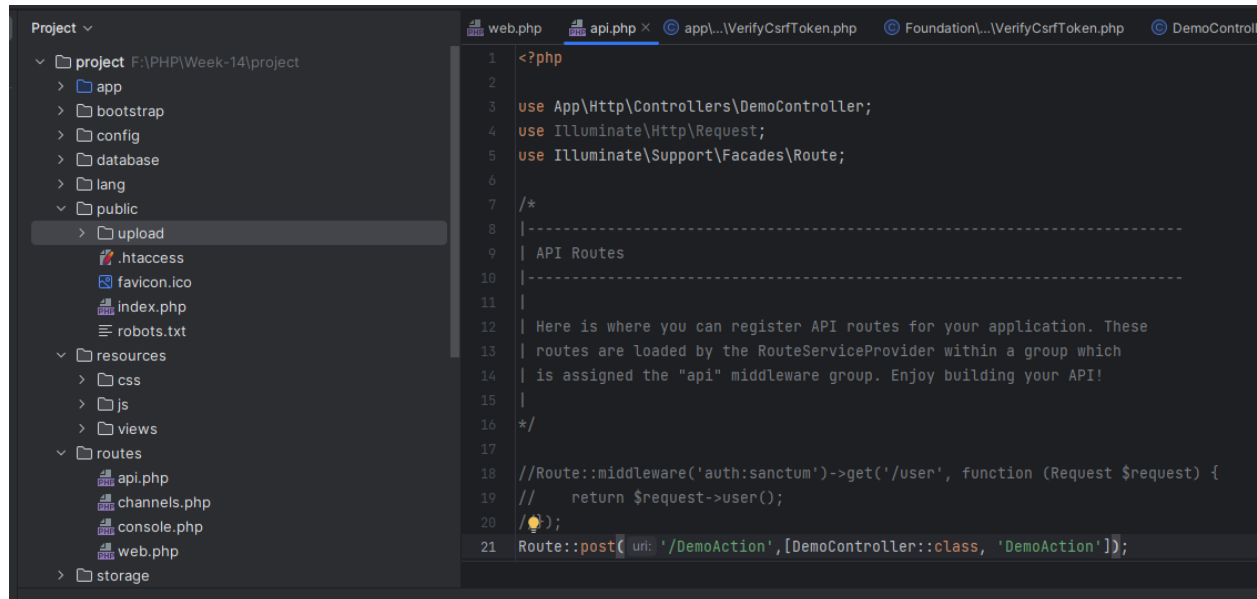


```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\JsonResponse;
6 use Illuminate\Http\Request;
7 use Symfony\Component\HttpFoundation\Exception\MethodNotAllowedHttpException;
8
9 4 usages
10 class DemoController extends Controller
11 {
12     2 usages
13     public function DemoAction(Request $request) :bool{
14         $avatar= $request->file('key: 'photo');
15         $avatar->move(public_path('upload'),$avatar->getClientOriginalName());
16
17         return true;
18     }
19 }
```

### Question 6:

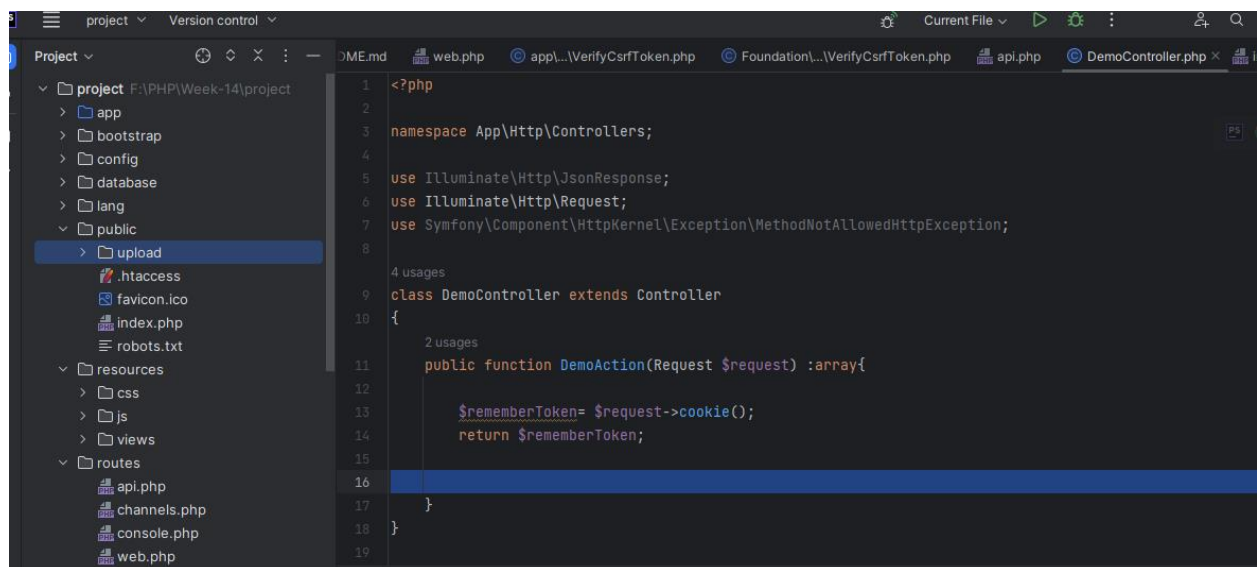
Retrieve the value of the 'remember\_token' cookie from the current request in Laravel and store it in a variable called \$rememberToken. If the cookie is not present, set \$rememberToken to null.

Api.php file-



```
1 <?php
2
3 use App\Http\Controllers\DemoController;
4 use Illuminate\Http\Request;
5 use Illuminate\Support\Facades\Route;
6
7 /*
8 |-----
9 | API Routes
10 |-----
11 |
12 | Here is where you can register API routes for your application. These
13 | routes are loaded by the RouteServiceProvider within a group which
14 | is assigned the "api" middleware group. Enjoy building your API!
15 |
16 */
17
18 //Route::middleware('auth:sanctum')->get('/user', function (Request $request) {
19 //    return $request->user();
20 //});
21 Route::post('uri: '/DemoAction', [DemoController::class, 'DemoAction']);
```

DemoController.php file-



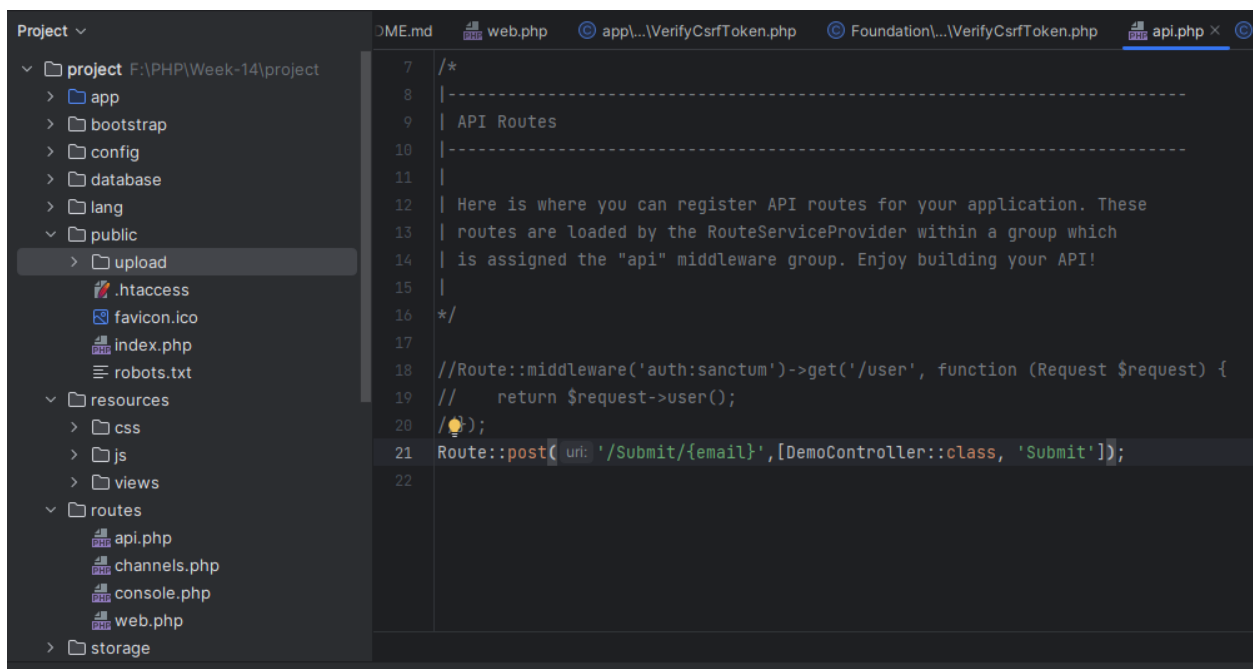
```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\JsonResponse;
6 use Illuminate\Http\Request;
7 use Symfony\Component\HttpKernel\Exception\MethodNotAllowedHttpException;
8
9 class DemoController extends Controller
10 {
11     2 usages
12     public function DemoAction(Request $request) :array{
13
14         $rememberToken= $request->cookie();
15         return $rememberToken;
16     }
17 }
18
19 }
```

### 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."
}
```

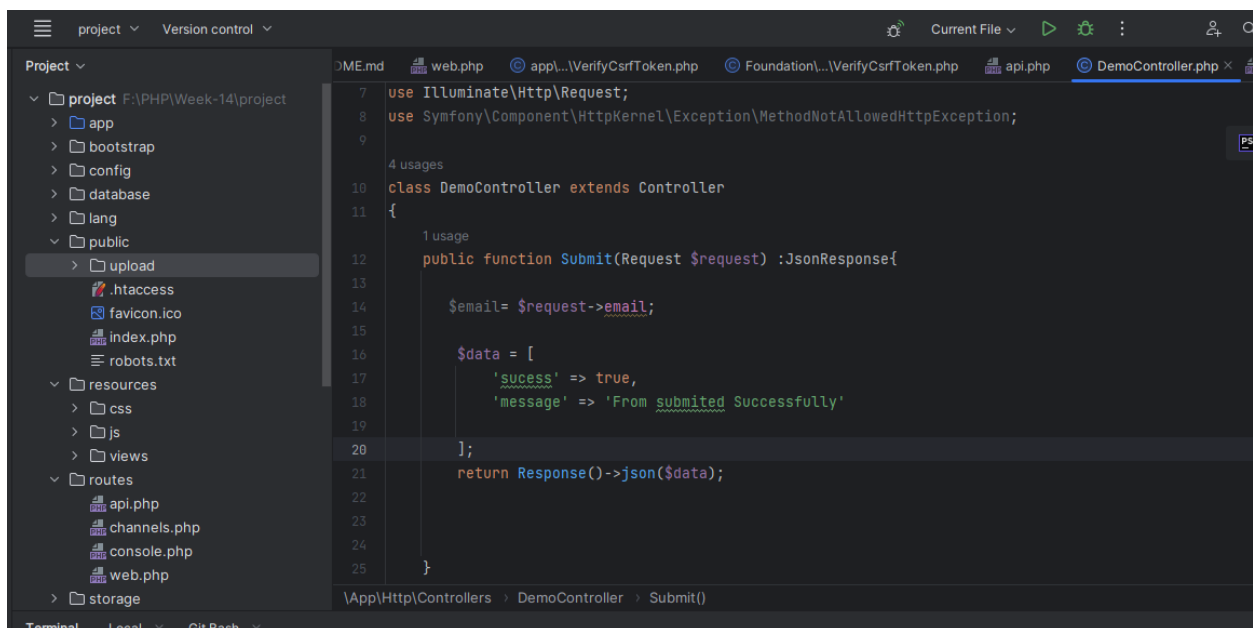
### Api.php file-



```
Project
└─ project
   └─ app
      └─ bootstrap
         └─ config
            └─ database
               └─ lang
                  └─ public
                     └─ upload
                        └─ .htaccess
                           favicon.ico
                           index.php
                           robots.txt
                     └─ resources
                        └─ css
                           js
                           views
                     └─ routes
                        └─ api.php
                           channels.php
                           console.php
                           web.php
                     └─ storage
```

```
7  /*
8  |-----|
9  | API Routes
10 |-----|
11 |
12 | Here is where you can register API routes for your application. These
13 | routes are loaded by the RouteServiceProvider within a group which
14 | is assigned the "api" middleware group. Enjoy building your API!
15 |
16 */
17
18 //Route::middleware('auth:sanctum')->get('/user', function (Request $request) {
19 //    return $request->user();
20 //});
21 Route::post('url: '/Submit/{email}', [DemoController::class, 'Submit']);
22
```

### DemoController.php file-



```
Project
└─ project
   └─ app
      └─ bootstrap
         └─ config
            └─ database
               └─ lang
                  └─ public
                     └─ upload
                        └─ .htaccess
                           favicon.ico
                           index.php
                           robots.txt
                     └─ resources
                        └─ css
                           js
                           views
                     └─ routes
                        └─ api.php
                           channels.php
                           console.php
                           web.php
                     └─ storage
```

```
7  use Illuminate\Http\Request;
8  use Symfony\Component\HttpFoundation\Exception\MethodNotAllowedHttpException;
9
10 class DemoController extends Controller
11 {
12     public function Submit(Request $request) :JsonResponse{
13
14         $email= $request->email;
15
16         $data = [
17             'success' => true,
18             'message' => 'From submitted Successfully'
19         ];
20     };
21     return Response()->json($data);
22 }
23
24
25
```