

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

```
Route::post('/retriveName', [AssignmentController::class, 'retriveName']);
```

Corresponding controller Method:

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class AssignmentController extends Controller
{
    function retriveName(Request $request)
    {
        $name = $request->input('name');
        return $name;
    }
}
```

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.

```
Route::post('/userAgent', [AssignmentController::class, 'userAgent']);
```

Corresponding controller Method:

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

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

```
Route::get('/queryParam', [AssignmentController::class, 'page']);
```

Corresponding controller Method:

```
public function page(Request $request)
{
    $page = $request->query('page', null);
    if($page){
        return $page;
    }else{
        return "please set the page number";
    }
}
```

Question 4:

Create a JSON response in Laravel with the following data:

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

Web.php

```
Route::get('/responseJson', [AssignmentController::class, 'responseJson']);
```

Corresponding controller Method:

```
function responseJson(): JsonResponse
{
    $message = "Success";
    $data = ["name" => "John Doe", "age" => "25"];
    return response()->json(['message' => $message, 'data' => $data]);
}
```

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.

Web.php

```
Route::post('/fileUP', [AssignmentController::class, 'fileUP']);
```

Corresponding controller Method:

```
function fileUP(Request $request)
{
    $img = $request->file('avatar');
    $photoFile = $img->move(public_path('uploads'), $img->getClientOriginalName());
}
```

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.

Web.php

```
Route::get('/rememberCookie', [AssignmentController::class, 'rememberCookie']);
```

Corresponding controller Method:

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

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."  
}
```

web.php

```
Route::post('/submit', function (Request $request) {  
    $email = $request->input('email');  
    if($email){  
        $responseData = [  
            'success' => true,  
            'message' => 'Form submitted successfully.'  
        ];  
        return response()->json($responseData);  
    }else{  
        return "Please Enter Email";  
    }  
});
```