**Assignment on Module-14**

**Laravel Foundation Step-13**

**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.

Answer:

Here is an example of how we can retrieve the 'name' input field value from the POST request in a Laravel application and store it in a variable called **$name**:

public function store (Request $request)

{

$name = $request->input('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.

Answer:

use Illuminate\Http\Request;

public function yourMethod(Request $request)

{

$userAgent = $request->header('User-Agent');

}

**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.

Answer:

use Illuminate\Http\Request;

public function yourMethod (Request $request)

{

$page = $request->query ('page', null);

}

**Question** 4:

Create a JSON response in Laravel with the following data:

{

    "message": "Success",

    "data": {

        "name": "John Doe",

        "age": 25

    }

}

**Answer**:

use Illuminate\Http\Response;

public function yourMethod ()

{

$data = [

'message' => 'Success',

'data' => [

'name' => 'John Doe',

'age' => 25

]

];

return response ()->json ($data, Response :: HTTP\_OK);

}

**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.

**Answer**:

use Illuminate\Support\Facades\Storage;

use Illuminate\Http\Request;

public function uploadAvatar (Request $request)

{

$request->validate ([

'avatar' => 'required|file'

]);

$uploadedFile = $request->file('avatar');

$filePath = $uploadedFile->store('public/uploads');

$originalFilename = $uploadedFile->getClientOriginalName ();

return [

'path' => $filePath,

'filename' => $originalFilename

];

}

**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.

**Answer:**

use Illuminate\Http\Request;

public function yourMethod (Request $request)

{

$rememberToken = $request->cookie ('remember\_token', null);

}

**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."

}

**Answer**:

use Illuminate\Http\Request;

use Illuminate\Support\Facades\Route;

Route::post ('/submit', function (Request $request) {

$email = $request->input('email');

return response ()->json ([

'success' => true,

'message' => 'Form submitted successfully.'

]);

});