

## Q&A

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.

Ans:

```
$name = $request->input('name');
```

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.

Ans:

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

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.

Ans:

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

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

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

Ans:

```
return response()->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.

Ans:

```
if ($request->hasFile('avatar')) {  
    $file = $request->file('avatar');  
    $filename = $file->getClientOriginalName();  
    $file->move(public_path('uploads'), $filename);  
}
```

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.

Ans:

```
$rememberToken = $request->cookie('remember_token', null);
```

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."  
}
```

Ans:

```
use Illuminate\Http\Request;  
use Illuminate\Support\Facades\Route;
```

```
Route::post('/submit', function (Request $request) {  
    $email = $request->input('email');
```

```
    // Perform necessary actions with the $email parameter
```

```
    return response()->json([  
        'success' => true,  
        'message' => 'Form submitted successfully.'  
    ]);  
});
```