## 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.

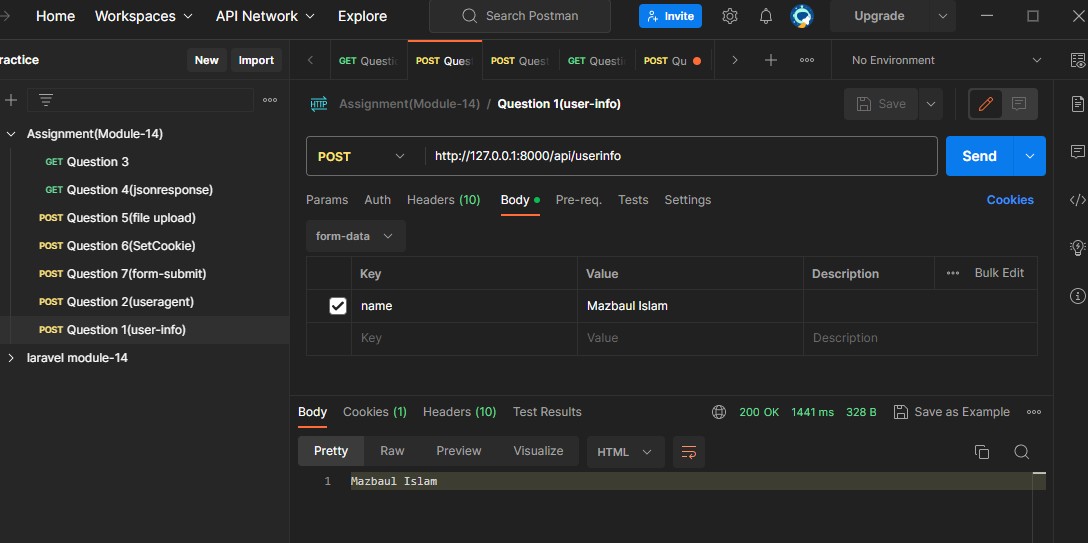
// Question 1 AssignmentController.php function UserInfo(Request $request):string{

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

}

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

Postman output:



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.

// Question 2 AssignmentController.php

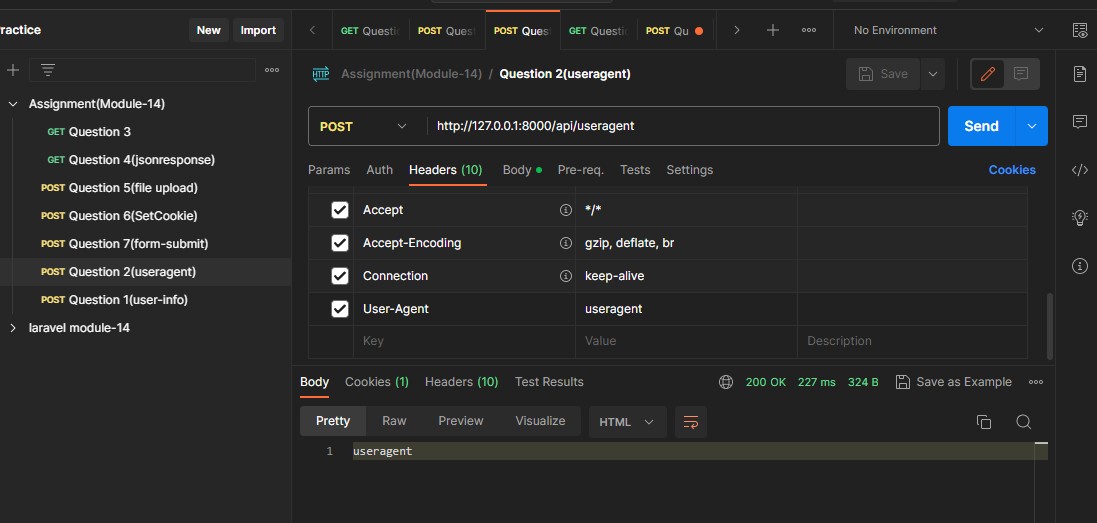
function UserAgent (Request $request): string {

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

}

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

Postman output:



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.

// Question 3 AssignmentController.php function ApiEndpoint(Request $request){

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

return $page;

}else{

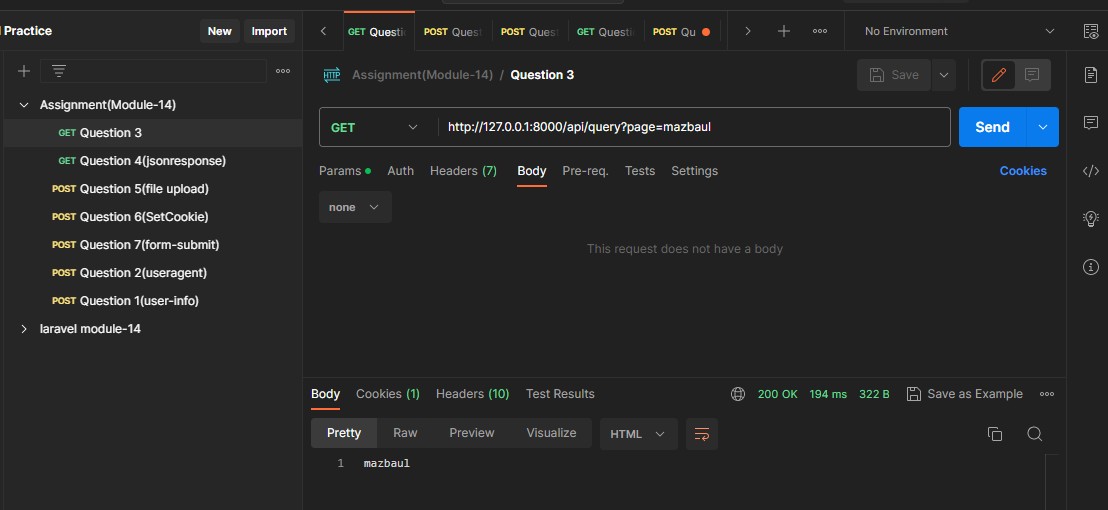
return;

}

}

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

Postman output:



Question 4:

Create a JSON response in Laravel with the following data:

{

"message": "Success", "data": {

"name": "John Doe", "age": 25

}

}

// Question 4 AssignmentController.php function JsonResponse():JsonResponse{

$data = array( "message"=> "Success", "data"=>array(

"name"=> "John Doe", "age"=> 25

)

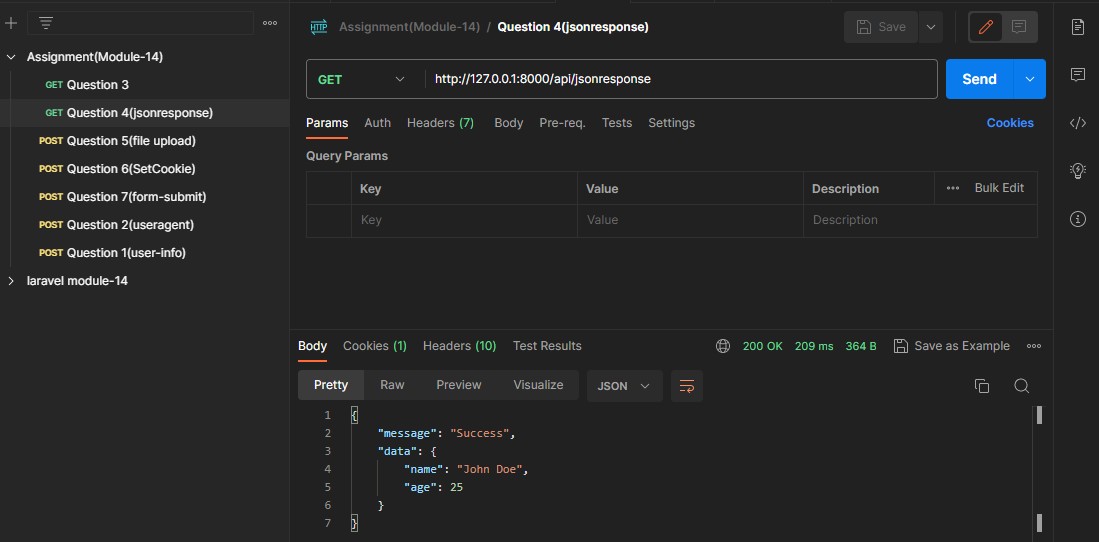
);

return response()->json($data);

}

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

Postman output:



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.

// Question 5 AssignmentController.php

function FileUploads(Request $request):bool{

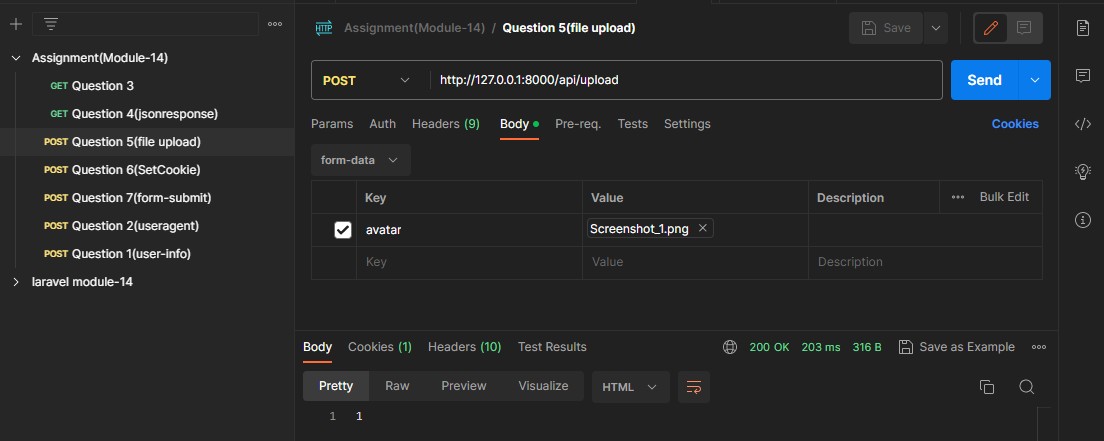
$file=$request->file('avatar');

$file->move(public\_path('uploads'),$file->getClientOriginalName()); return true;

}

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

Postman output:



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.

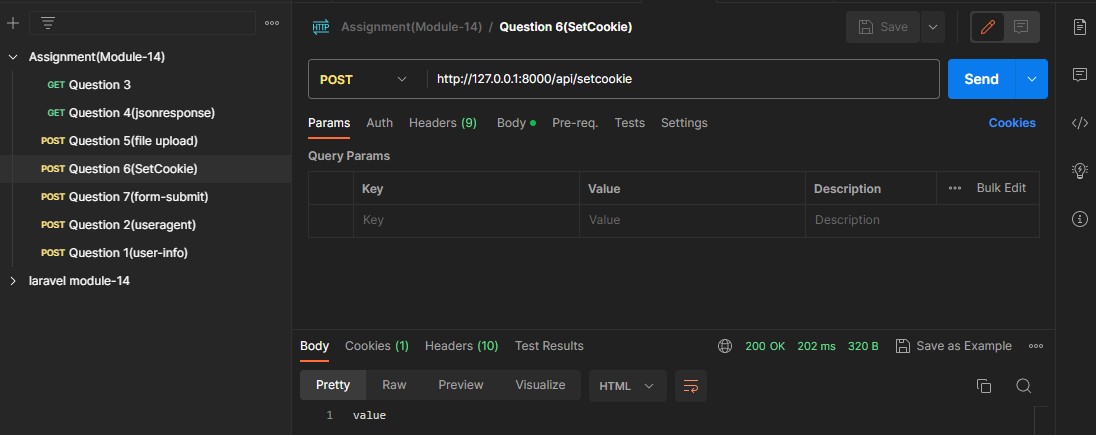
// Question 6 AssignmentController.php function SetCookie(Request $request){

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

}

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

Postman Output:



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."

}

// Question 7 api.php 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!";

}

});

Postman output:

