

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

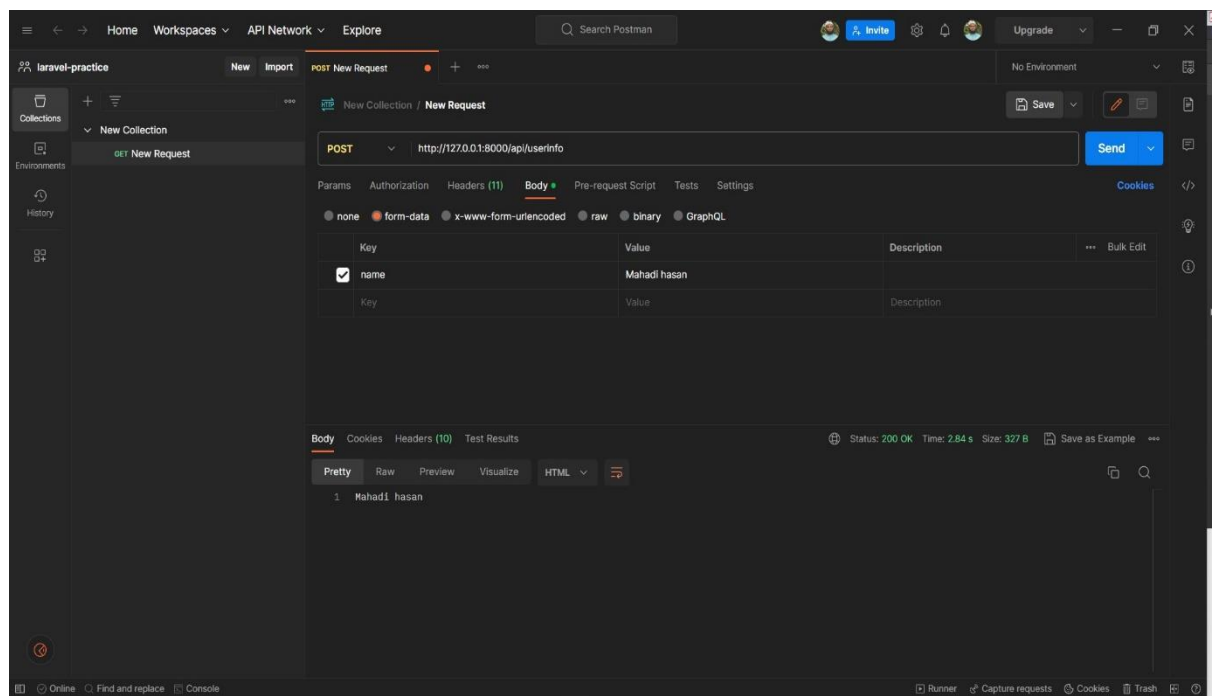
app\Http\Controllers\AssignmentController.php

```
// Question 1
function UserInfo(Request $request):string{
    $name = $request->input('name');
    return $name;
}
```

routes/api.php

```
// Question 1
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.

Answer

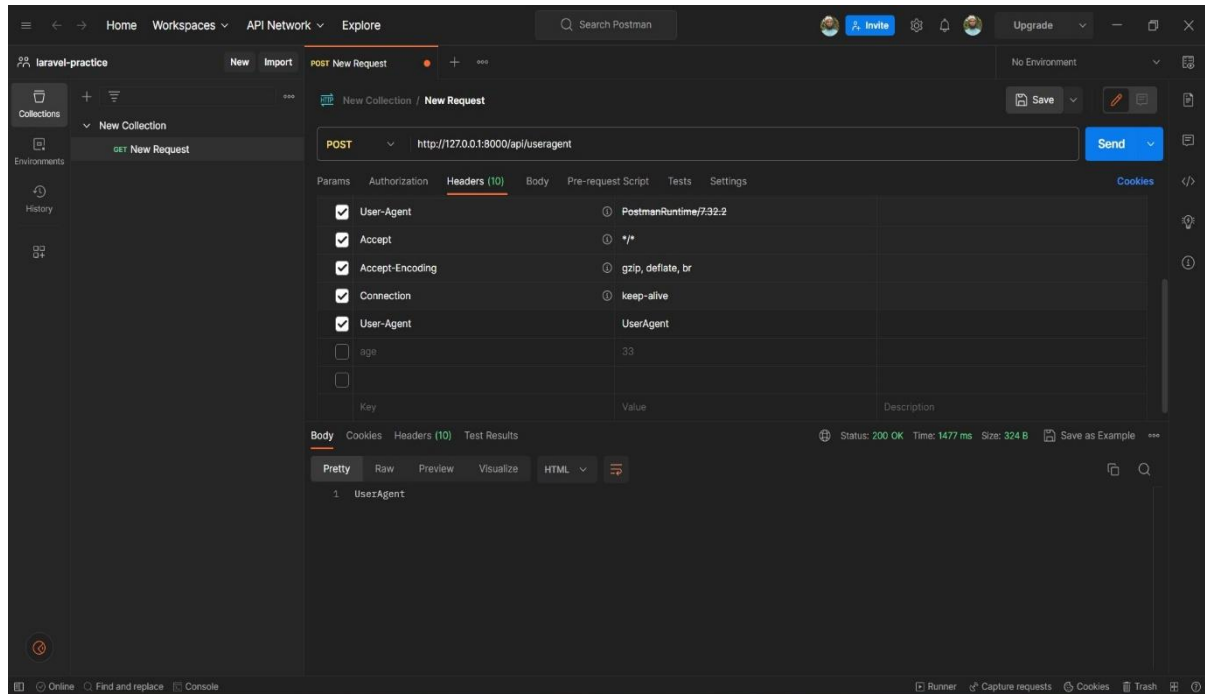
app\Http\Controllers\AssignmentController.php

```
// Question 2
function userAgent(Request $request):string{
    $userAgent = $request->header('User-Agent');
    return $userAgent;
}
```

routes/api.php

```
// Question 2
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.

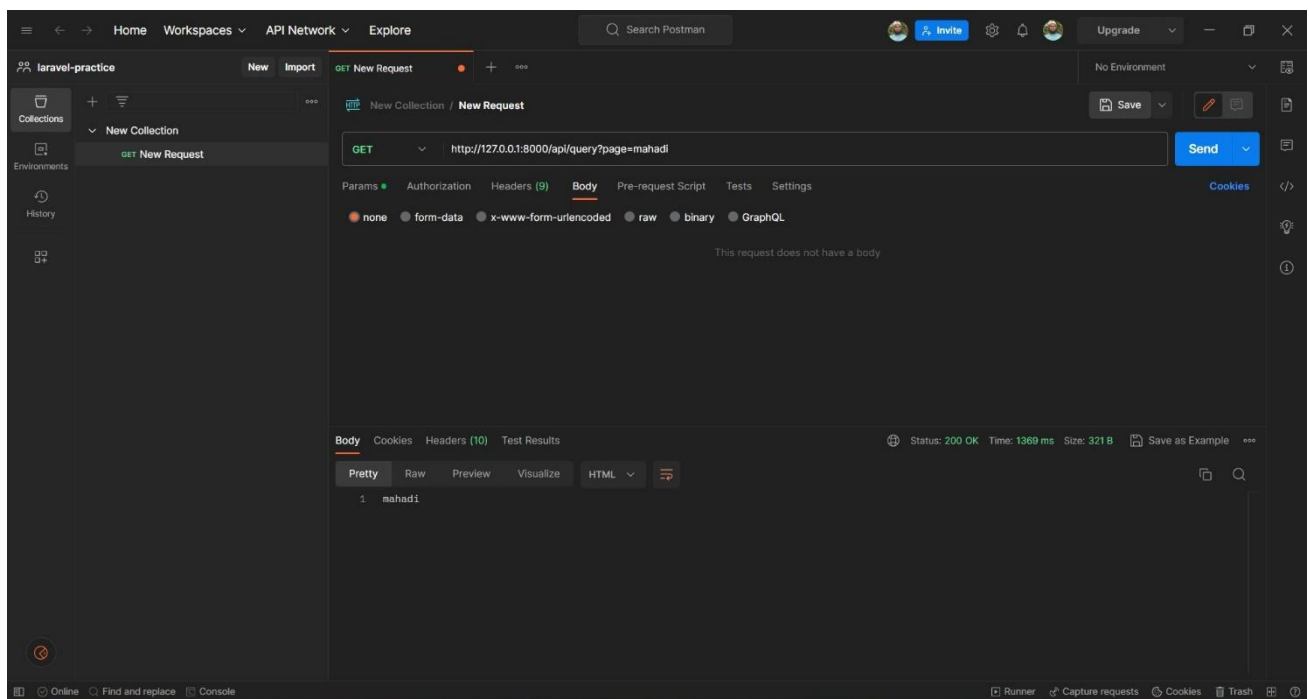
app\Http\Controllers\AssignmentController.php

```
// Question 3
function ApiEndpoint(Request $request){
    $page = $request->query('page',null);
    if($page !== null){
        return $page;
    }else{
        return;
    }
}
```

routes/api.php

```
// Question 3
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  
  }  
}
```

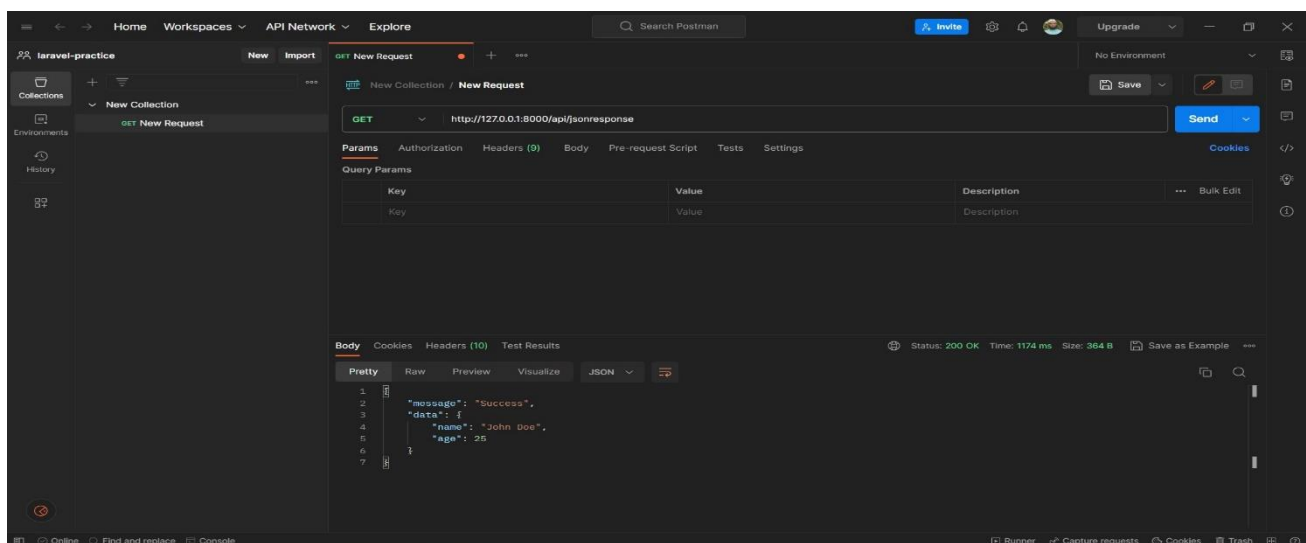
app\Http\Controllers\AssignmentController.php

```
// Question 3  
function ApiEndpoint(Request $request){  
    $page = $request->query('page',null);  
    if($page !== null){  
        return $page;  
    }else{  
        return;  
    }  
}
```

routes/api.php

```
// Question 4  
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.

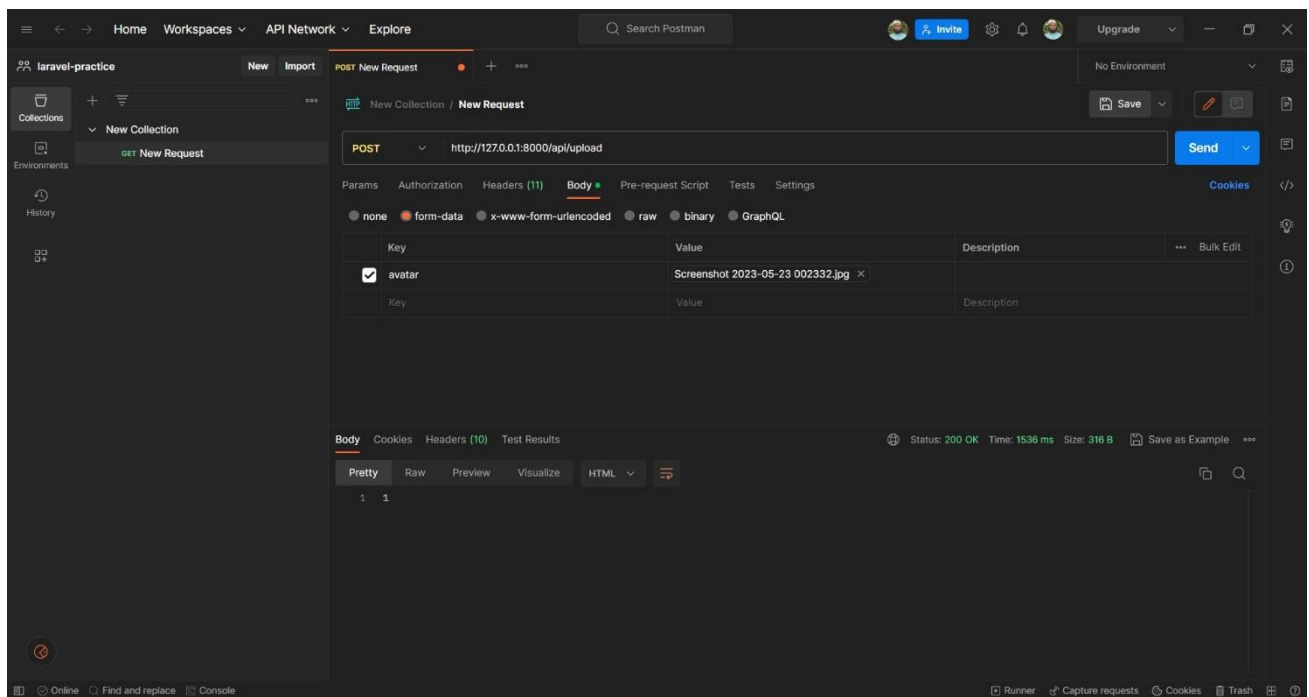
app\Http\Controllers\AssignmentController.php

```
// Question 5
function FileUploads(Request $request):bool{
    $file=$request->file('avatar');
    $file->move(public_path('uploads'),$file->getClientOriginalName());
    return true;
}
```

routes/api.php

```
// Question 5
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.

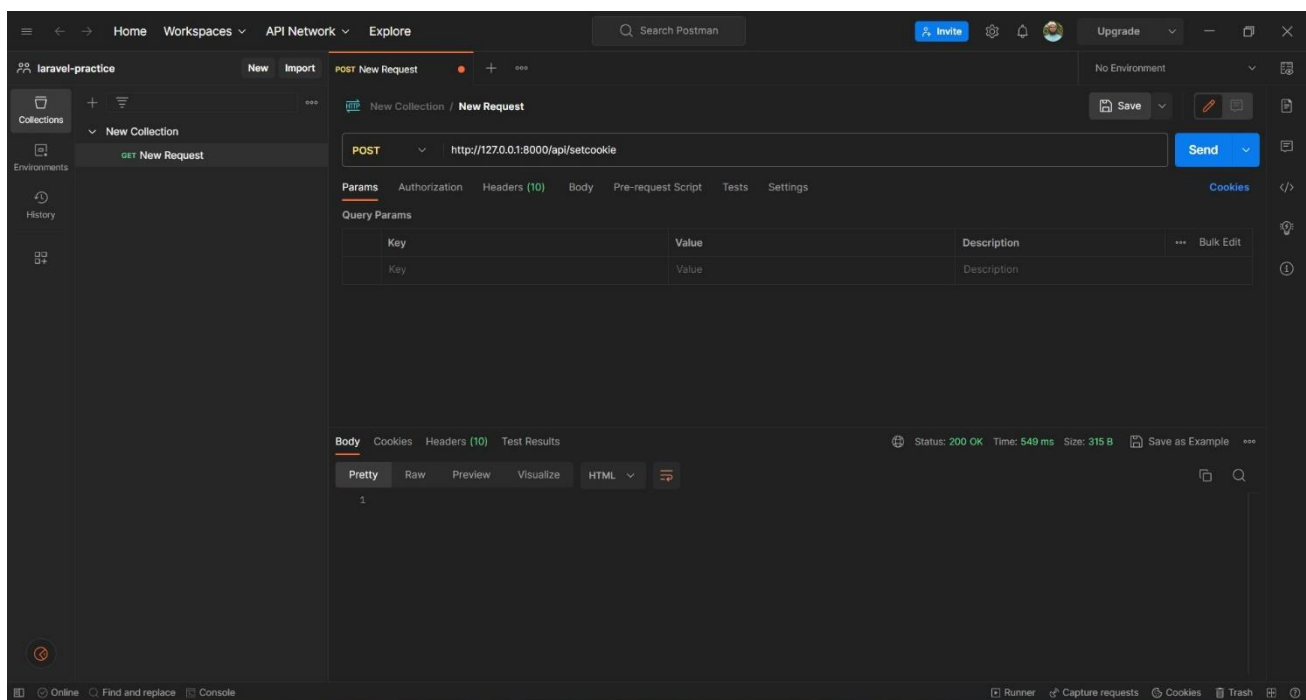
app\Http\Controllers\AssignmentController.php

```
// Question 6
function SetCookie(Request $request){
    $rememberToken = $request->cookie('remember_token',null);
    return $rememberToken;
}
```

routes/api.php

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

Postman output:



Question 7:

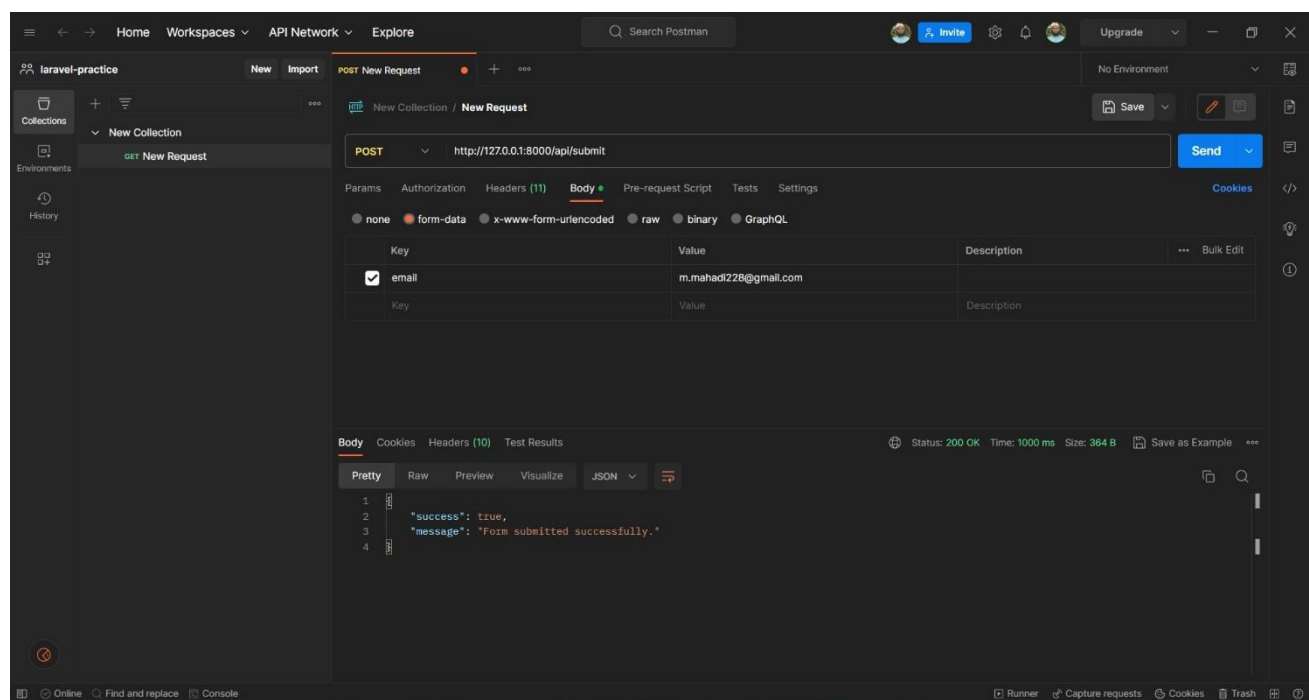
Create a route in Laravel that handles a POST request to the '/submit' URL. Inside the route closure, retrieve the 'email' input parameter from the request and store it in a variable called \$email. Return a JSON response with the following data:

```
{
  "success": true,
  "message": "Form submitted successfully."
}
```

routes/api.php

```
// Question 7
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:



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