1. WebApi Handson

**Code :**

**AuthController.cs :**

using Microsoft.AspNetCore.Authorization;

using Microsoft.AspNetCore.Mvc;

using Microsoft.IdentityModel.Tokens;

using System.IdentityModel.Tokens.Jwt;

using System.Security.Claims;

using System.Text;

namespace MyFirstWebAPI.Controllers

{

[AllowAnonymous]

[ApiController]

[Route("api/[controller]")]

public class AuthController : ControllerBase

{

private string GenerateJSONWebToken(int userId, string userRole)

{

var securityKey = new SymmetricSecurityKey(Encoding.UTF8.GetBytes("mysuperdupersecretkey1234567890!!"));

var credentials = new SigningCredentials(securityKey, SecurityAlgorithms.HmacSha256);

var claims = new List<Claim>

{

new Claim(ClaimTypes.Role, userRole),

new Claim("UserId", userId.ToString())

};

var token = new JwtSecurityToken(

issuer: "mySystem",

audience: "myUsers",

claims: claims,

expires: DateTime.Now.AddMinutes(2), // expires in 2 mins

signingCredentials: credentials);

return new JwtSecurityTokenHandler().WriteToken(token);

}

[HttpGet]

public IActionResult GetAdminToken()

{

var token = GenerateJSONWebToken(1, "Admin");

return Ok(new { token });

}

[HttpGet("poc")]

public IActionResult GetPocToken()

{

var token = GenerateJSONWebToken(2, "POC");

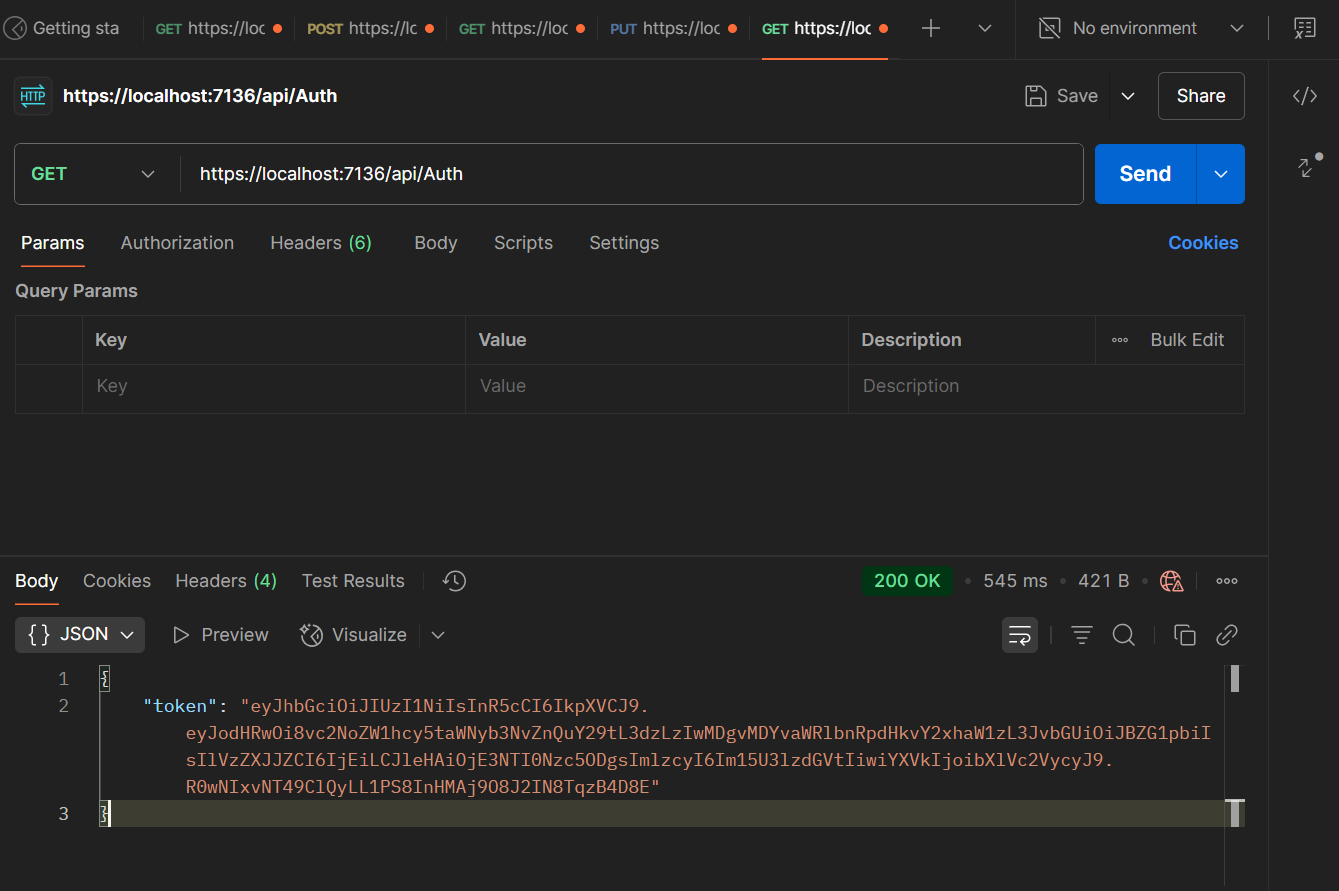
return Ok(new { token });

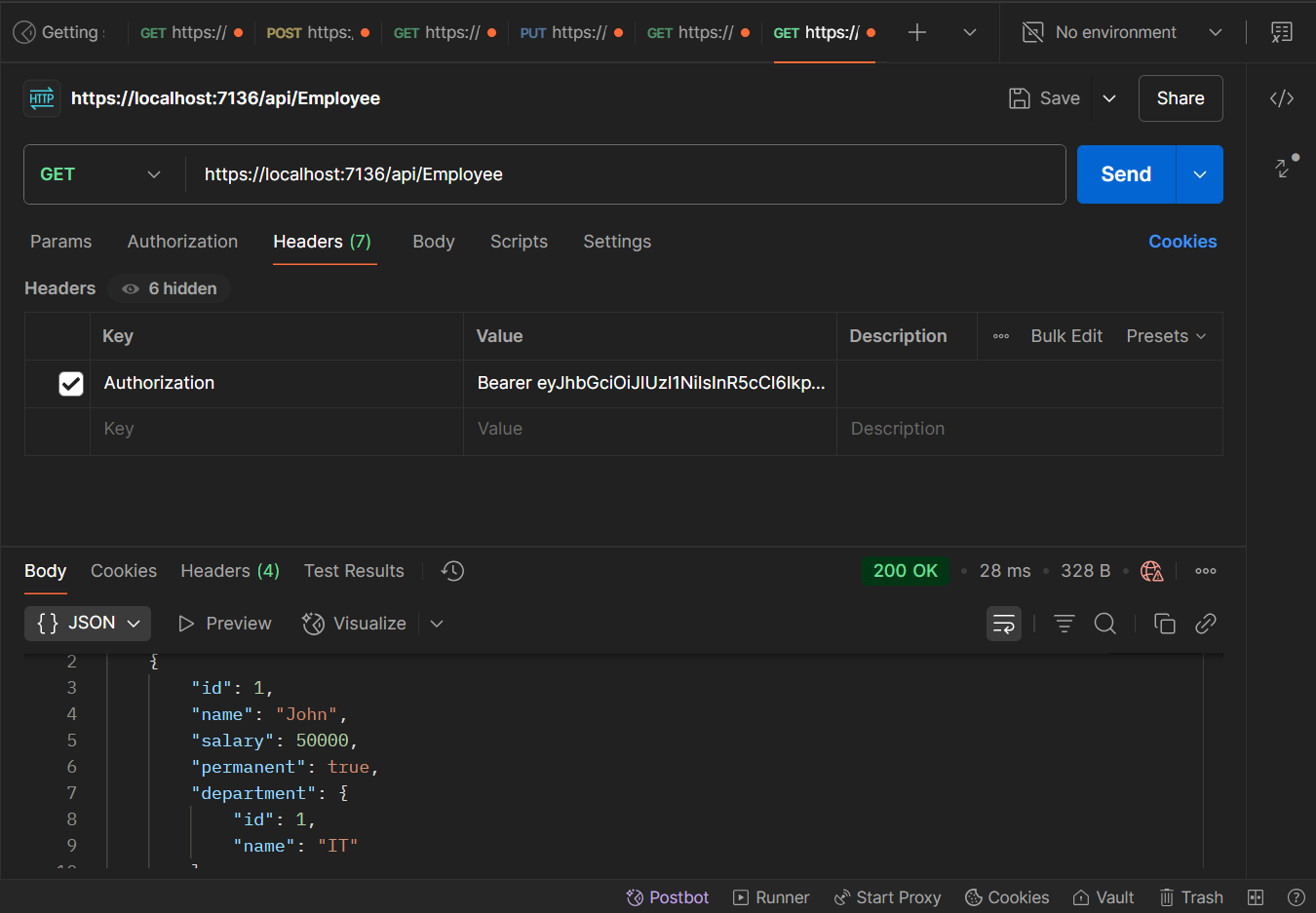
}

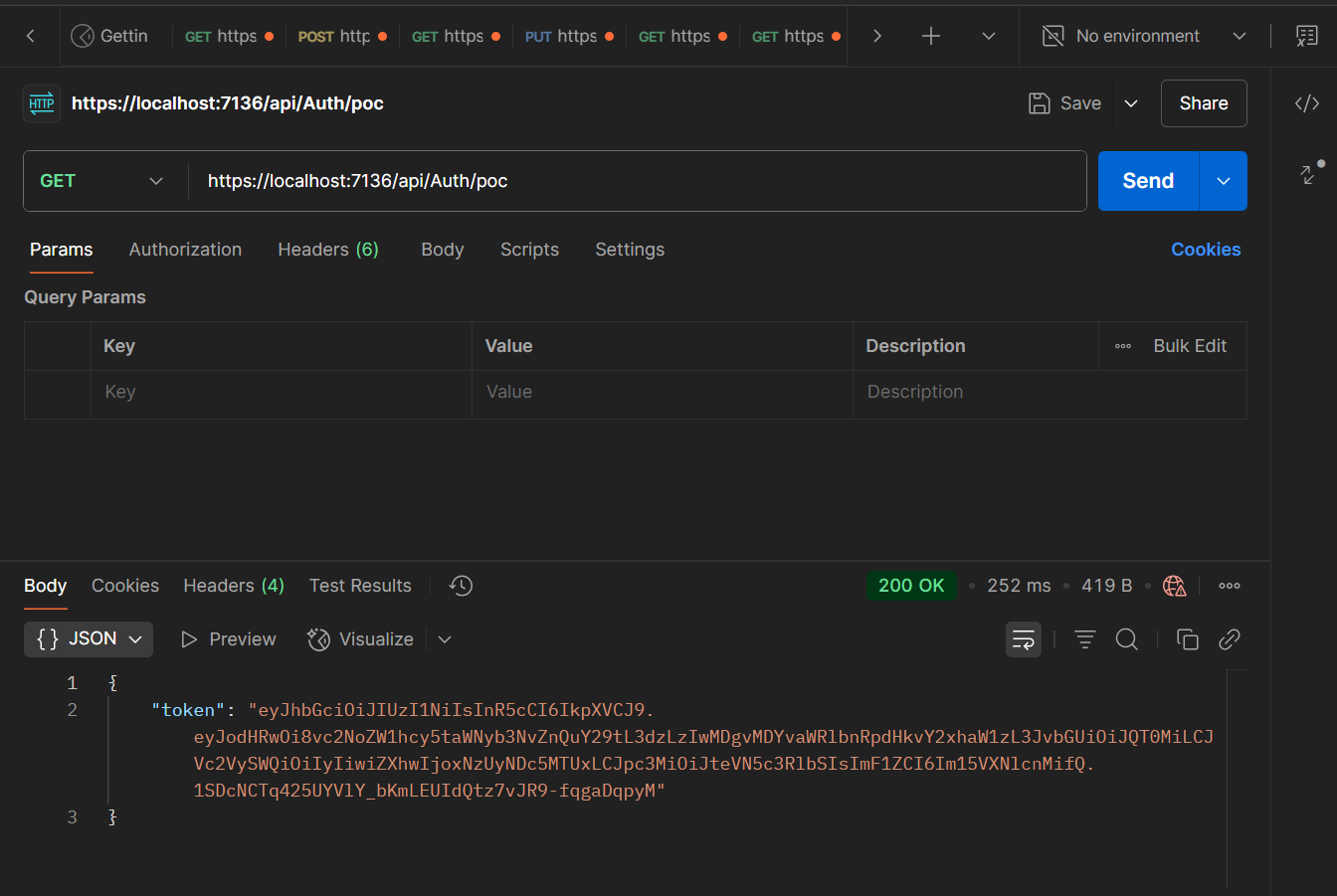
}

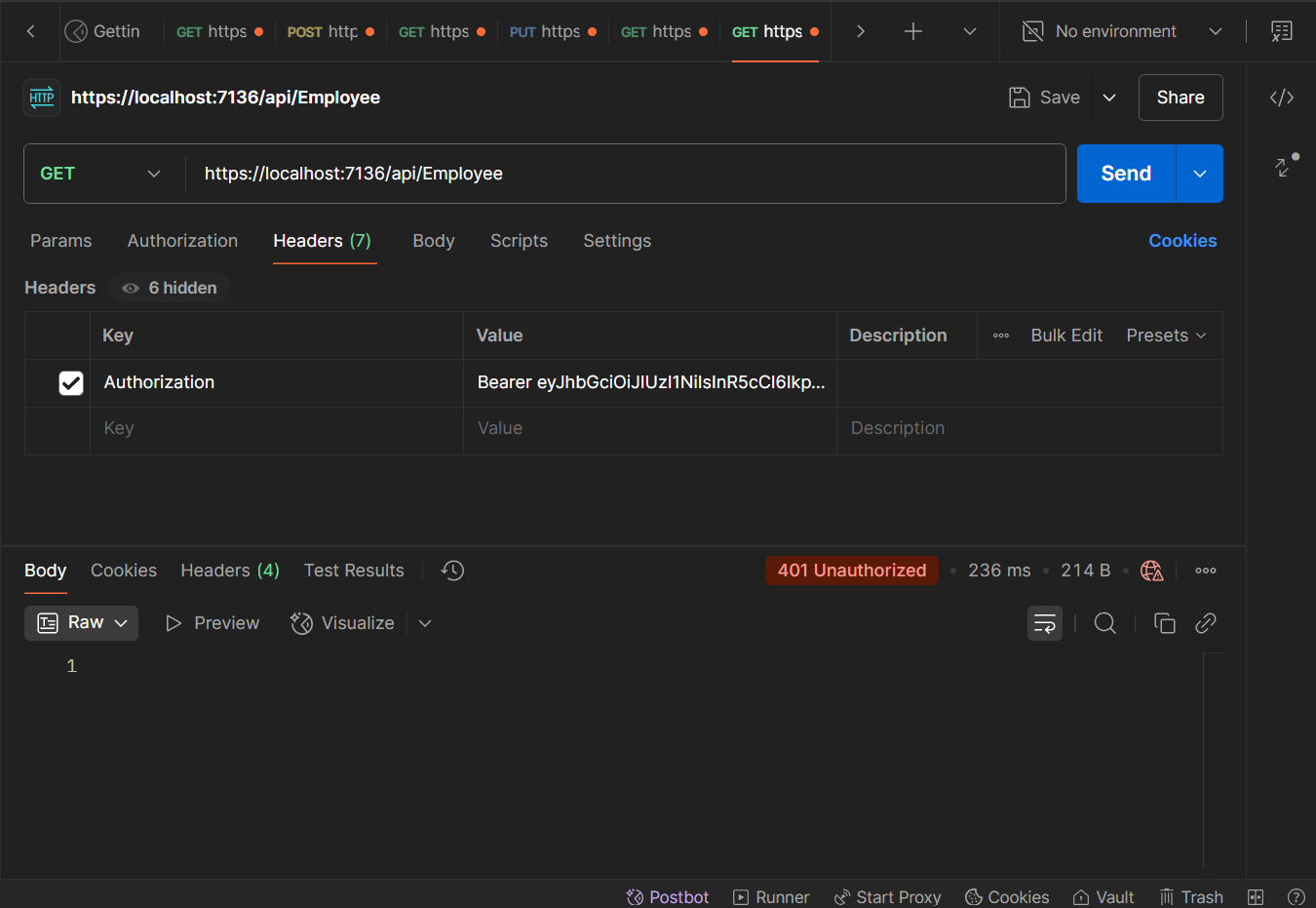
}

**Output :**

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