Yashika
yashika.workmail1@gmail.com

POSTMAN TESTING

JWT AUTHENTICATION & ORDER API

(Screenshots of the outputs)

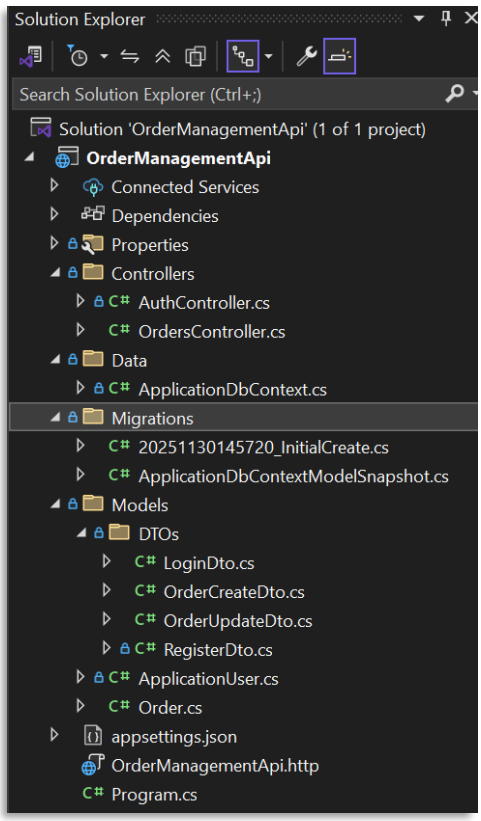
Index

S.No.	Title	Page No.
1.	Project Structure 1.1) Solution Explorer 1.2) tree /f	2-3
2.	Fetching Token – User Registration (Postman)	4
3.	Login – Retrieving JWT Token (Postman)	4
4.	Unauthorized Call Test (401 – No Token)	5
5.	Authorized CRUD Calls Using JWT Token (Postman) A) Set Authorization B) Create Order (POST) C) Read Orders (GET) C.1) Read (Get All Orders) C.2) Read (Get Single Order) D) Update Order (PUT) E) Delete Order (DELETE)	5-8

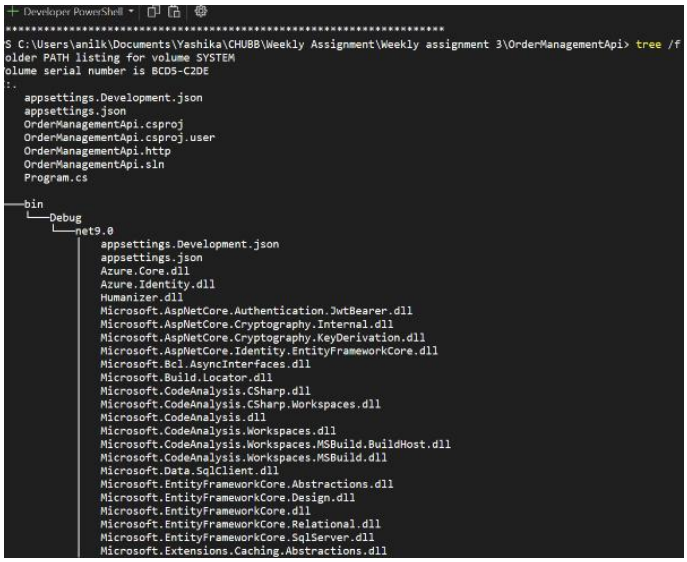
Yashika
yashika.workmail1@gmail.com

1.PROJECT STRUCTURE

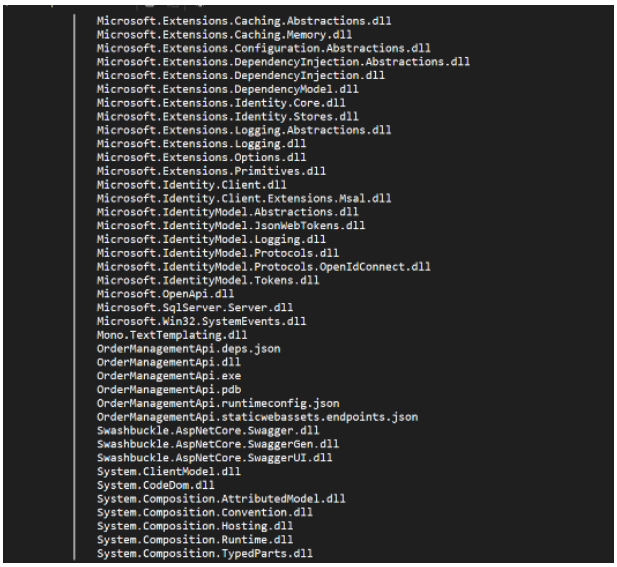
1.1) Solution Explorer



1.2) tree /f



1.



2.

Yashika
yashika.workmail1@gmail.com

```
System.Runtime.Caching.dll
System.Security.Cryptography.ProtectedData.dll
System.Security.Permissions.dll
System.Text.Json.dll
System.Windows.Extensions.dll

cs
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll

de
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll

es
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll

fr
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll

it
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll
```

3

```
ja
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll

ko
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll

pl
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll

pt-BR
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll

ru
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll
```

4

```
runtimes
    unix
        lib
            net6.0
                Microsoft.Data.SqlClient.dll
                System.Drawing.Common.dll

    win
        lib
            net6.0
                Microsoft.Data.SqlClient.dll
                Microsoft.Win32.SystemEvents.dll
                System.Drawing.Common.dll
                System.Runtime.Caching.dll
                System.Security.Cryptography.ProtectedData.dll
                System.Windows.Extensions.dll

    win-arm
        native
            Microsoft.Data.SqlClient.SNI.dll

    win-arm64
        native
            Microsoft.Data.SqlClient.SNI.dll

    win-x64
        native
            Microsoft.Data.SqlClient.SNI.dll

    win-x86
        native
            Microsoft.Data.SqlClient.SNI.dll

tr
    Microsoft.CodeAnalysis.CSharp.resources.dll
    Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
    Microsoft.CodeAnalysis.resources.dll
    Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
    Microsoft.CodeAnalysis.Workspaces.resources.dll
```

5

```
    zh-Hans
        Microsoft.CodeAnalysis.CSharp.resources.dll
        Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
        Microsoft.CodeAnalysis.resources.dll
        Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
        Microsoft.CodeAnalysis.Workspaces.resources.dll

    zh-Hant
        Microsoft.CodeAnalysis.CSharp.resources.dll
        Microsoft.CodeAnalysis.CSharp.Workspaces.resources.dll
        Microsoft.CodeAnalysis.resources.dll
        Microsoft.CodeAnalysis.Workspaces.MSBuild.BuildHost.resources.dll
        Microsoft.CodeAnalysis.Workspaces.resources.dll

Controllers
    AuthController.cs
    OrdersController.cs

Data
    ApplicationDbContext.cs

Migrations
    20251130145720_InitialCreate.cs
    20251130145720_InitialCreate.Designer.cs
    ApplicationDbContextModelSnapshot.cs

Models
    ApplicationUser.cs
    Order.cs

    DTOs
        LoginDto.cs
        OrderCreateDto.cs
        OrderUpdateDto.cs
        RegisterDto.cs
```

6

```
obj
    OrderManagementApi.csproj.EntityFrameworkCore.targets
    OrderManagementApi.csproj.nuget.dgspec.json
    OrderManagementApi.csproj.nuget.g.props
    OrderManagementApi.csproj.nuget.g.targets
    project.assets.json
    project.nuget.cache

    Debug
        net9.0
            .NETCoreApp,Version=v9.0.AssemblyAttributes.cs
            ApiEndpoints.json
            apphost.exe
            OrderMan.9A9FD717.Up2Date
            OrderManagementApi.AssemblyInfo.cs
            OrderManagementApi.AssemblyInfoInputs.cache
            OrderManagementApi.assets.cache
            OrderManagementApi.csproj.AssemblyReference.cache
            OrderManagementApi.csproj.BuildWithSkipAnalyzers
            OrderManagementApi.csproj.CoreCompileInputs.cache
            OrderManagementApi.csproj.FileListAbsolute.txt
            OrderManagementApi.dll
            OrderManagementApi.GeneratedMSBuildEditorConfig.editorconfig
            OrderManagementApi.genruntimeconfig.cache
            OrderManagementApi.GlobalUsings.g.cs
            OrderManagementApi.MvcApplicationPartsAssemblyInfo.cache
            OrderManagementApi.MvcApplicationPartsAssemblyInfo.cs
            OrderManagementApi.pdb
            rjsmcshtml.dswa.cache.json
            rjsmrazor.dswa.cache.json
            rpswa.dswa.cache.json
            staticwebassets.build.endpoints.json
            staticwebassets.build.json
            staticwebassets.build.json.cache
            staticwebassets.references.upToDateCheck.txt
            staticwebassets.removed.txt
```

7

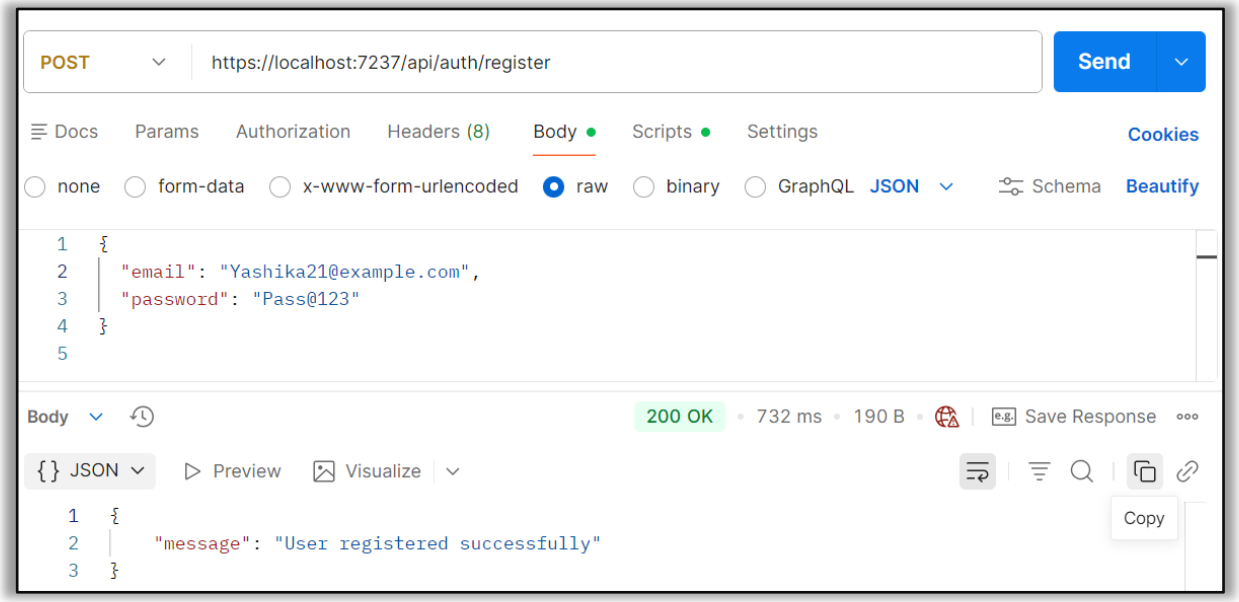
```
            staticwebassets.removed.txt

        EndpointInfo
            OrderManagementApi.json
            OrderManagementApi.OpenApiFiles.cache

        ref
            OrderManagementApi.dll

        refint
            OrderManagementApi.dll

        staticwebassets
Properties
    launchSettings.json
```

8

Yashika
yashika.workmail1@gmail.com

2. Fetching Token – User Registration (Postman)

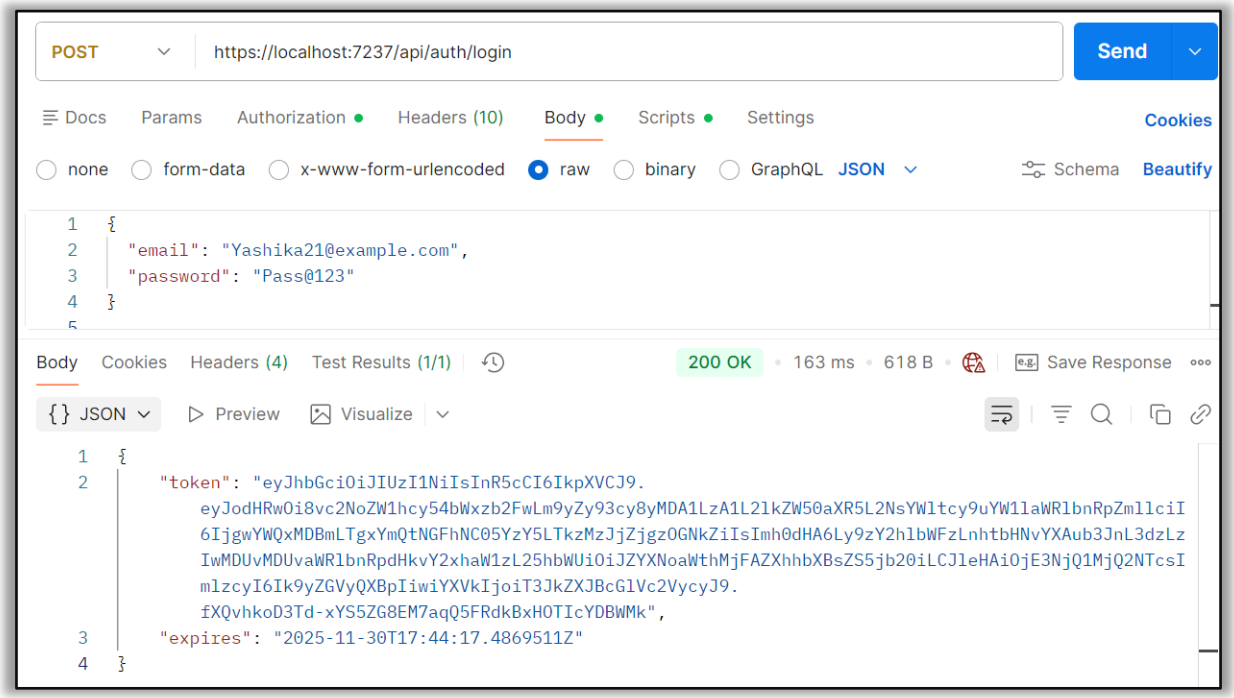
Purpose: To verify that a new user can successfully register in the system. Registration is required before a token can be generated.



---

3. Login – Retrieving JWT Token (Postman)

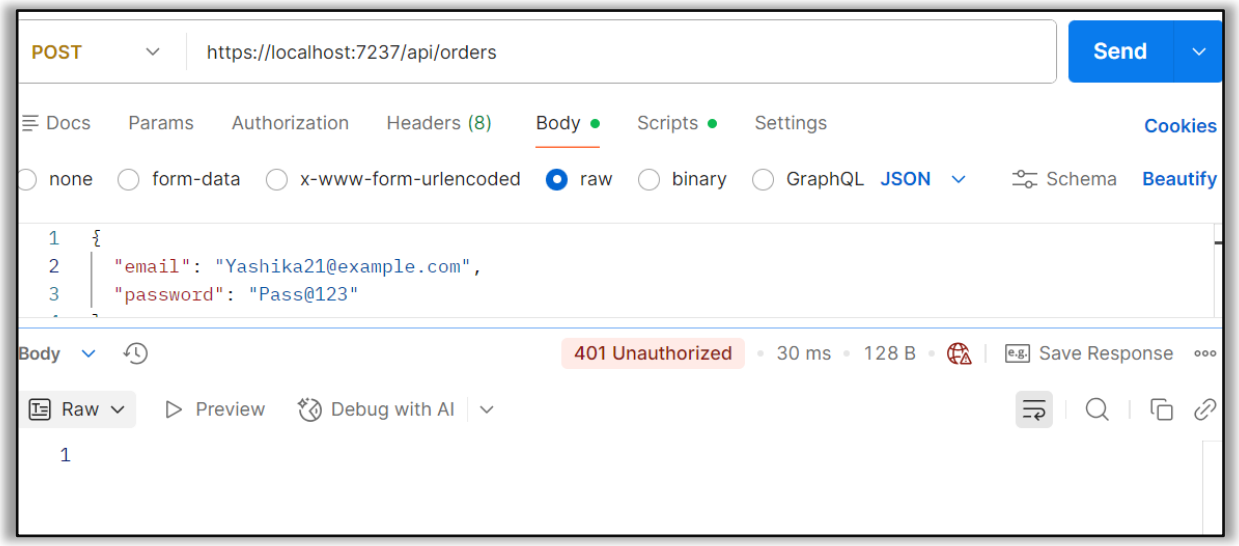
Purpose: To validate the login process and obtain the **JWT token**, which is required to access protected API endpoints.



Yashika
yashika.workmail1@gmail.com

4. Unauthorized Call Test (401 – No Token)

Purpose:, proving that the security layer works correctly.



---

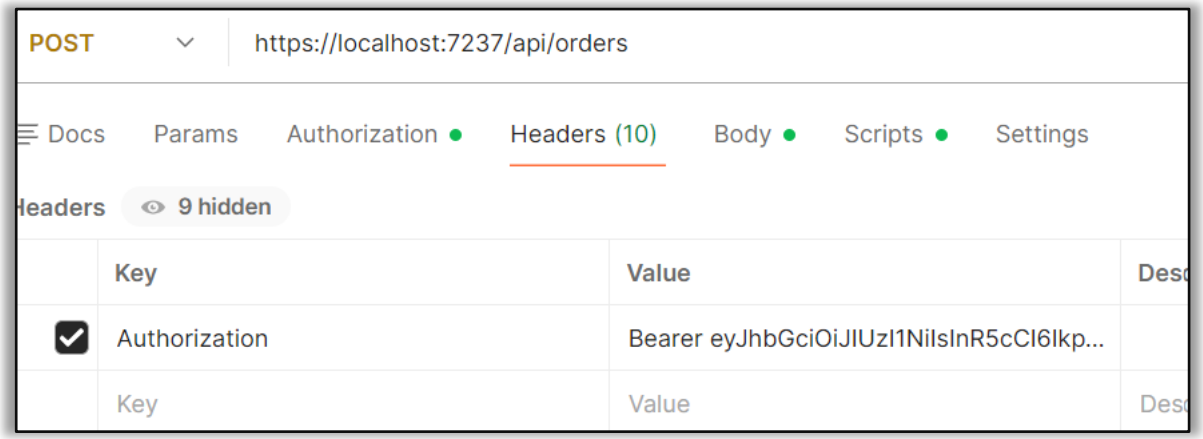
5. Authorized CRUD Calls Using JWT Token (Postman)

Purpose: To verify that authenticated users can perform Create, Read, Update, and Delete operations once a valid JWT token is supplied.

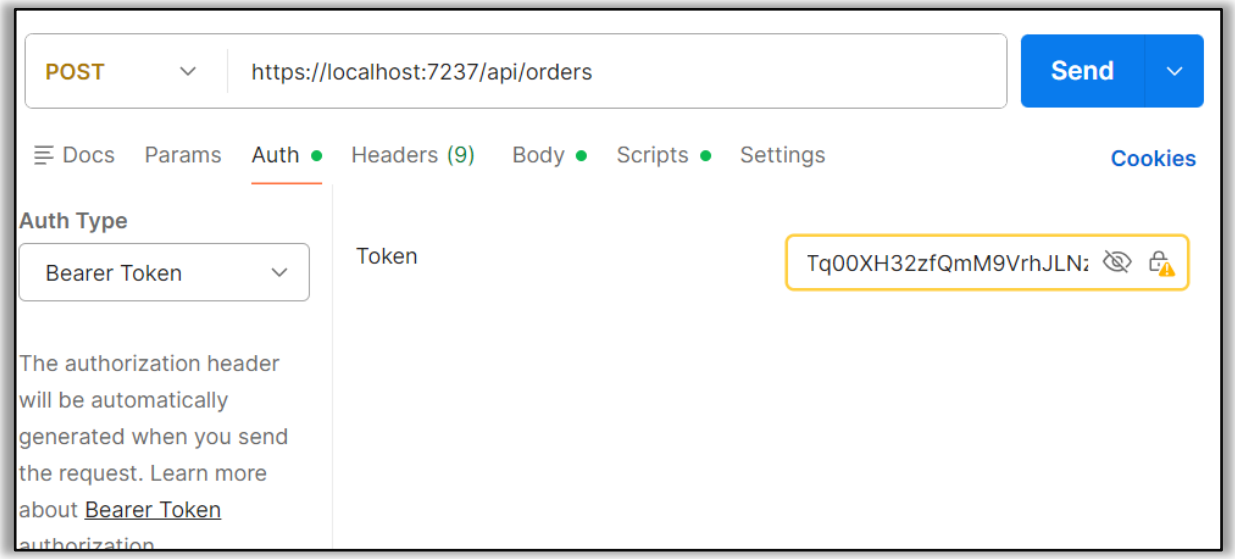
Steps:

A) Set Authorization

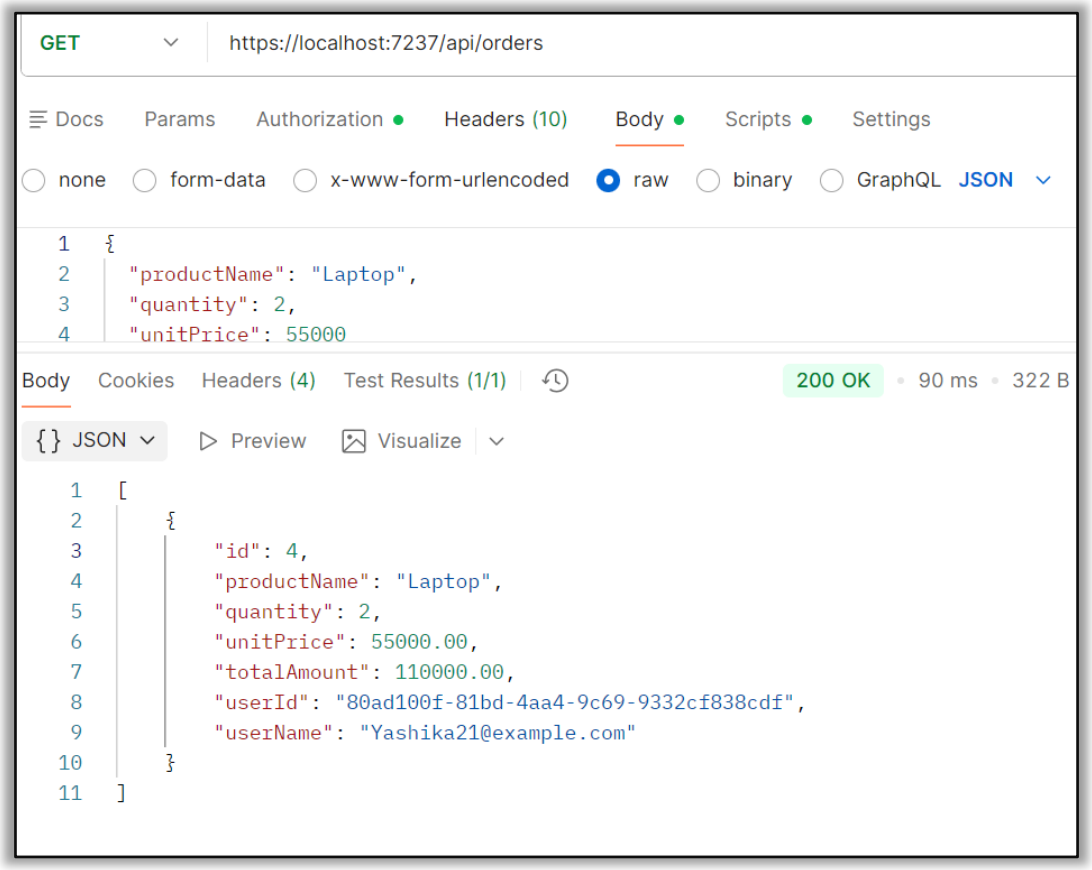
- Open Headers -> key: Authorization, Value: Bearer eyJhbGciOiJIU….(JWT token)



- In Postman, open the **Authorization** -> **Bearer Token**.



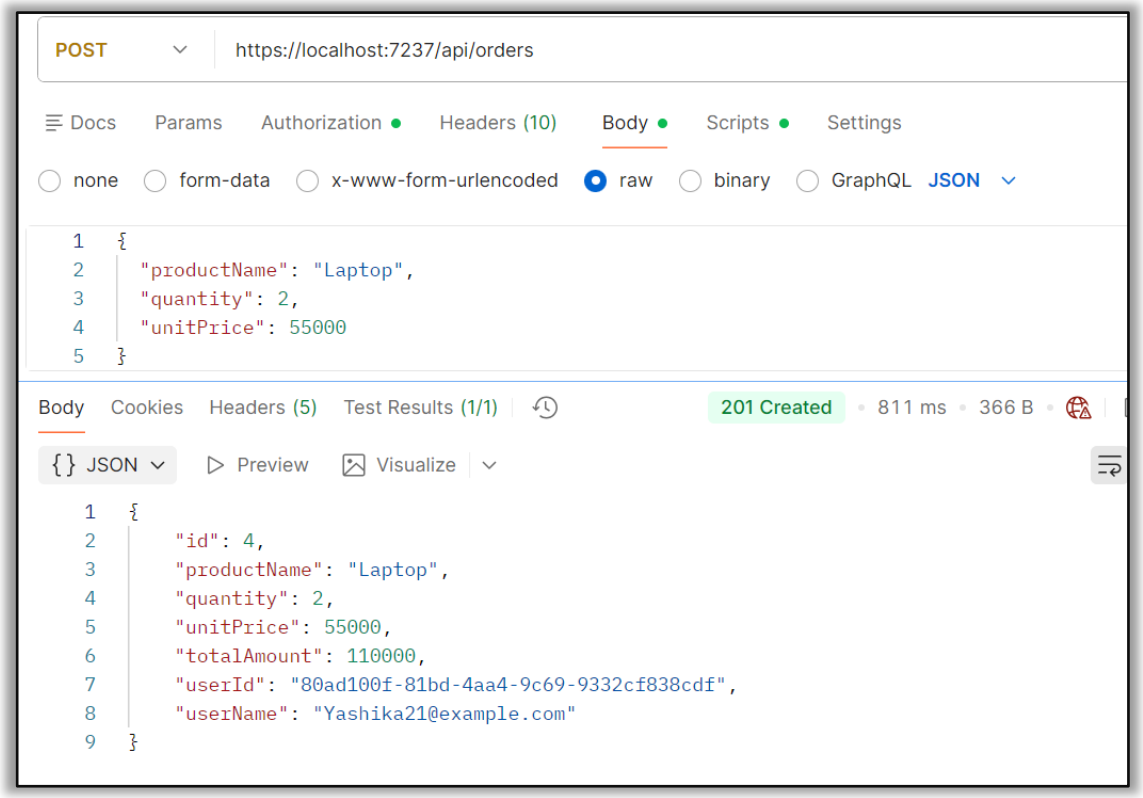
B) Create Order (POST)



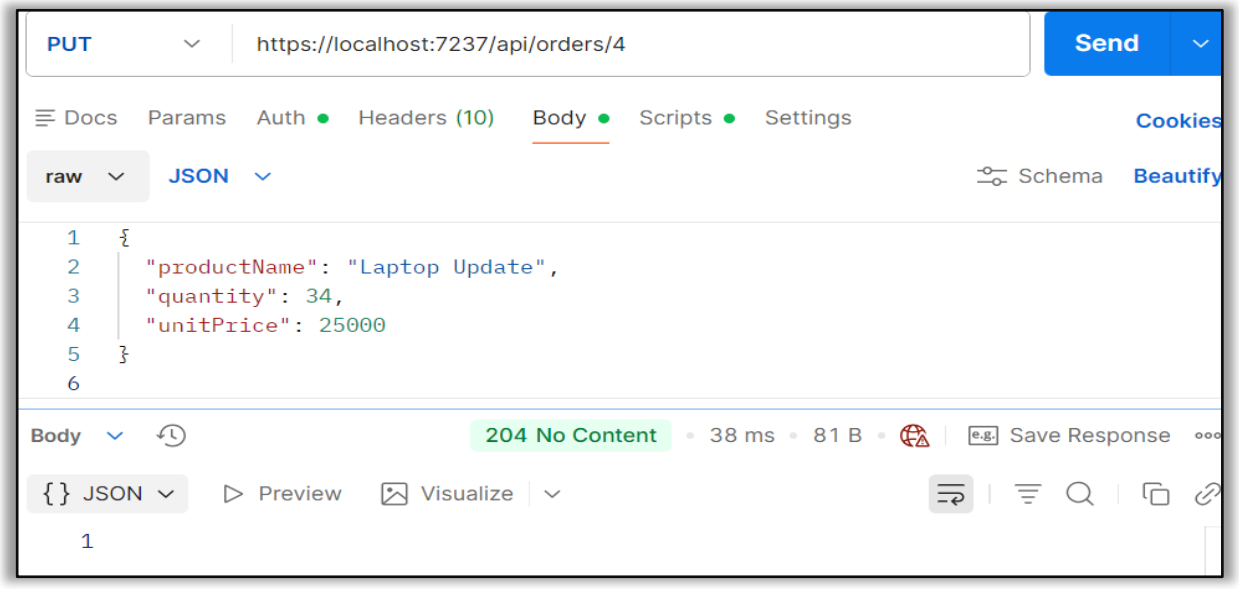
Yashika
yashika.workmail1@gmail.com

C) Read Orders (GET) :

C.1-READ (GET ALL ORDERS)



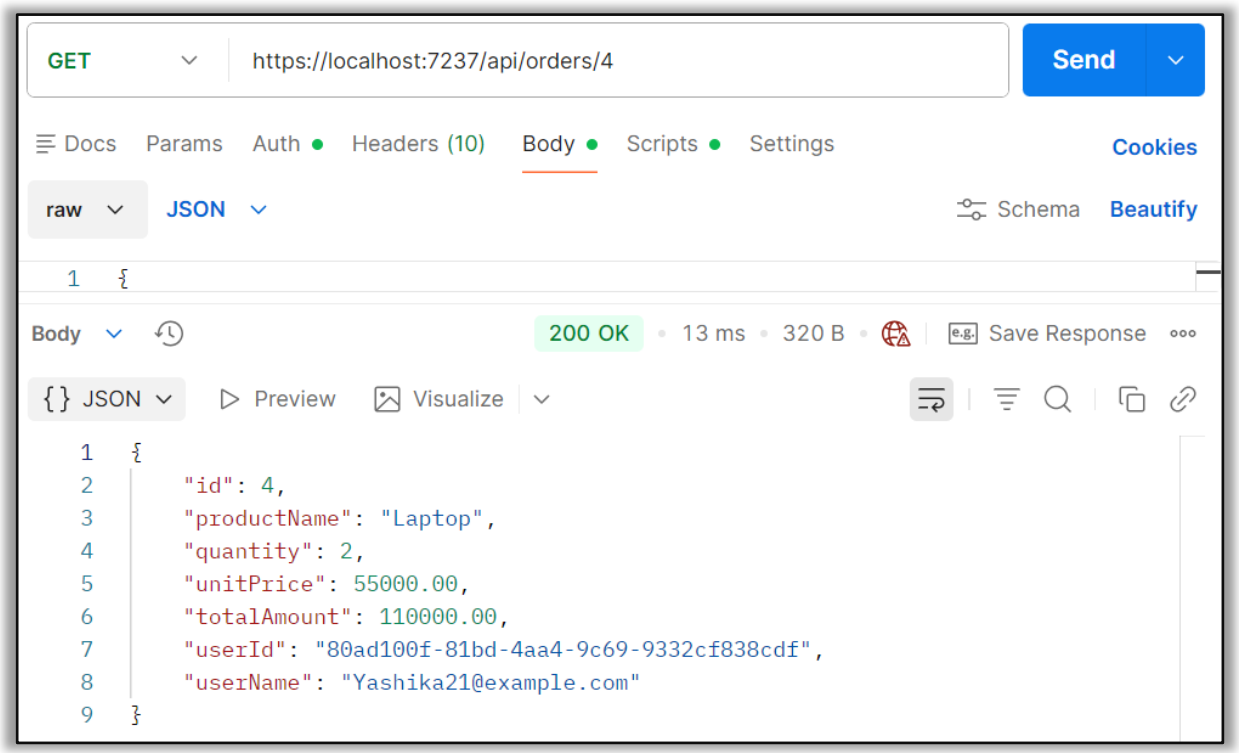
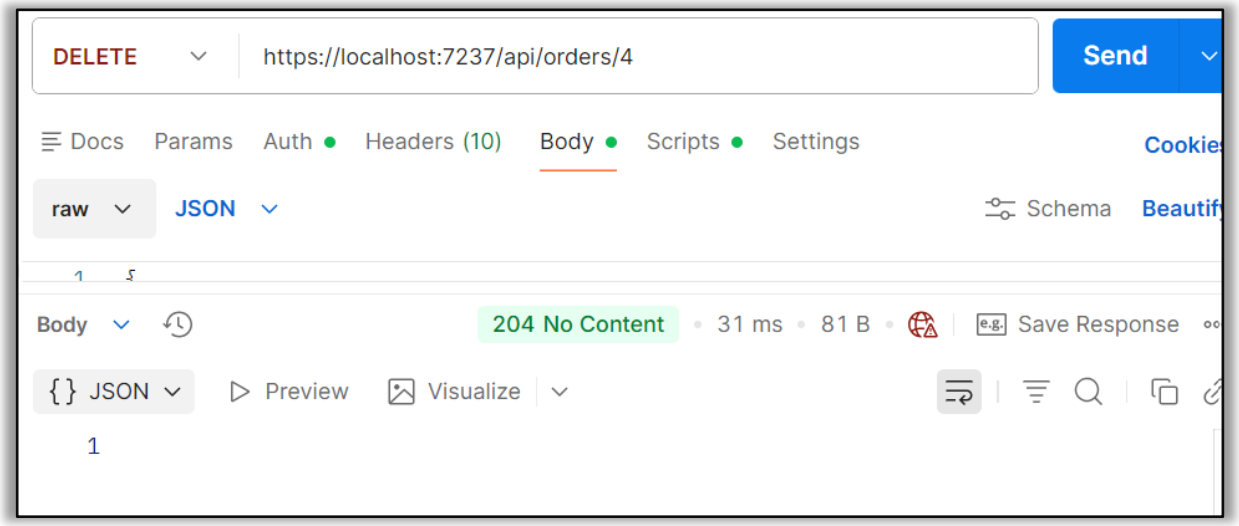
C.2- READ (GET SINGLE ORDER)



Yashika
yashika.workmail1@gmail.com

D) Update Order (PUT)

Modify an existing order's details while auth



E) Delete Order (DELETE)