ASSIGNMENT

Tools Used

- Visual Studio Code
- Postman

Programming Language

- Python

Frameworks

- Python Django
- Django REST framework

Super-User Login

Username : admin

Password : Admin@123

Steps

Step 1 : Create Virtual Environment

- ➢ Python -m venv environment_name

Step 2 : Activate Virtual Environment

- ➢ Source environment_name/scripts/activate

Step 3 : Install Django and Django REST Framework

- ➢ pip install django
- ➢ pip install djangorestframework

Step 4 : Create a new Django project

- ➢ django-admin startproject ecommerce

Step 5 : Create a new App as API

- ➢ python manage.py startapp customers

Step 6 : After Developing Make migrations

- ➢ python manage.py makemigrations
- ➢ python manage.py migrate

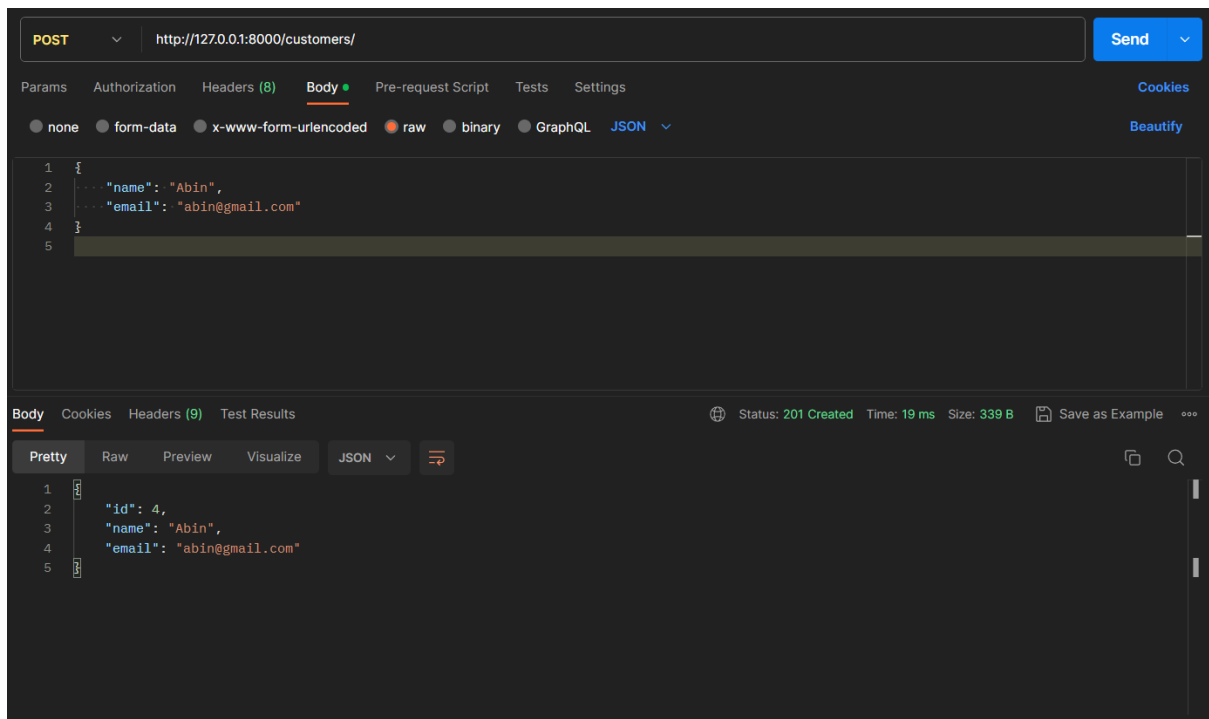**Step 7:** Start the Server

- ➢ python manage.py runserver

Step 8: Test the Developed API using Postman

1. **Create a New User**

   JSON –

   {
     "name": "Abin",
     "email": "abin@gmail.com"
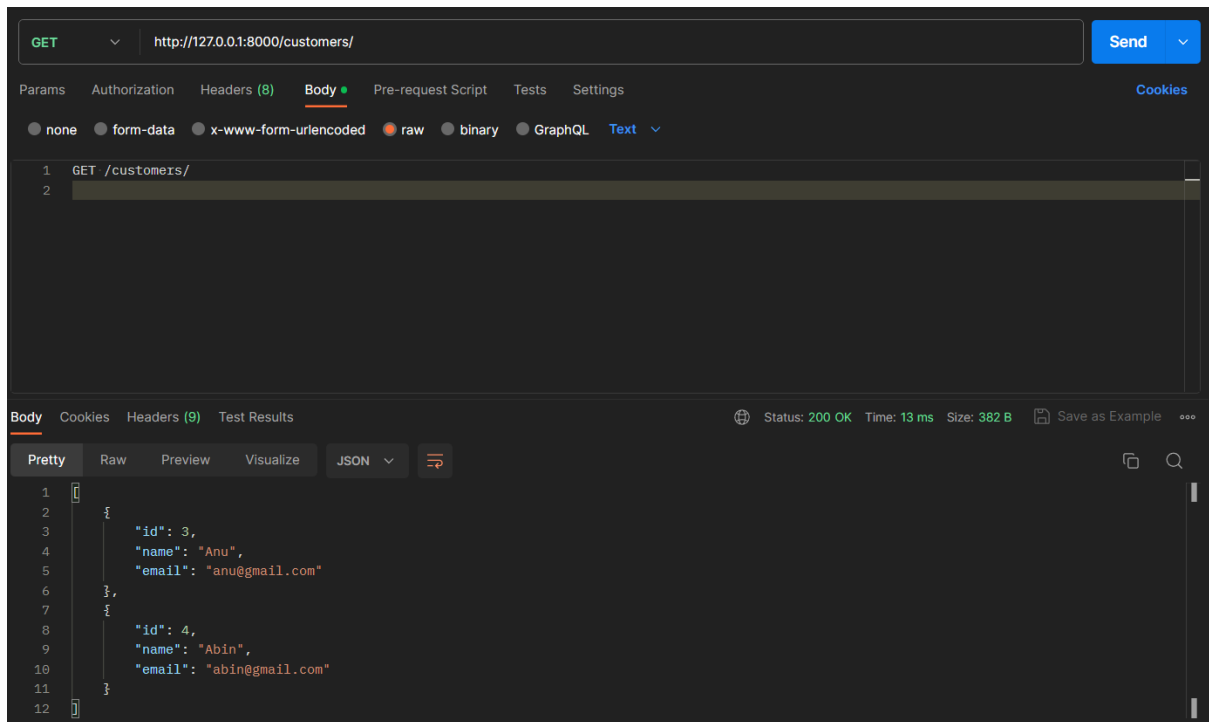   }

   Screenshot -

2. Get Customers

JSON –
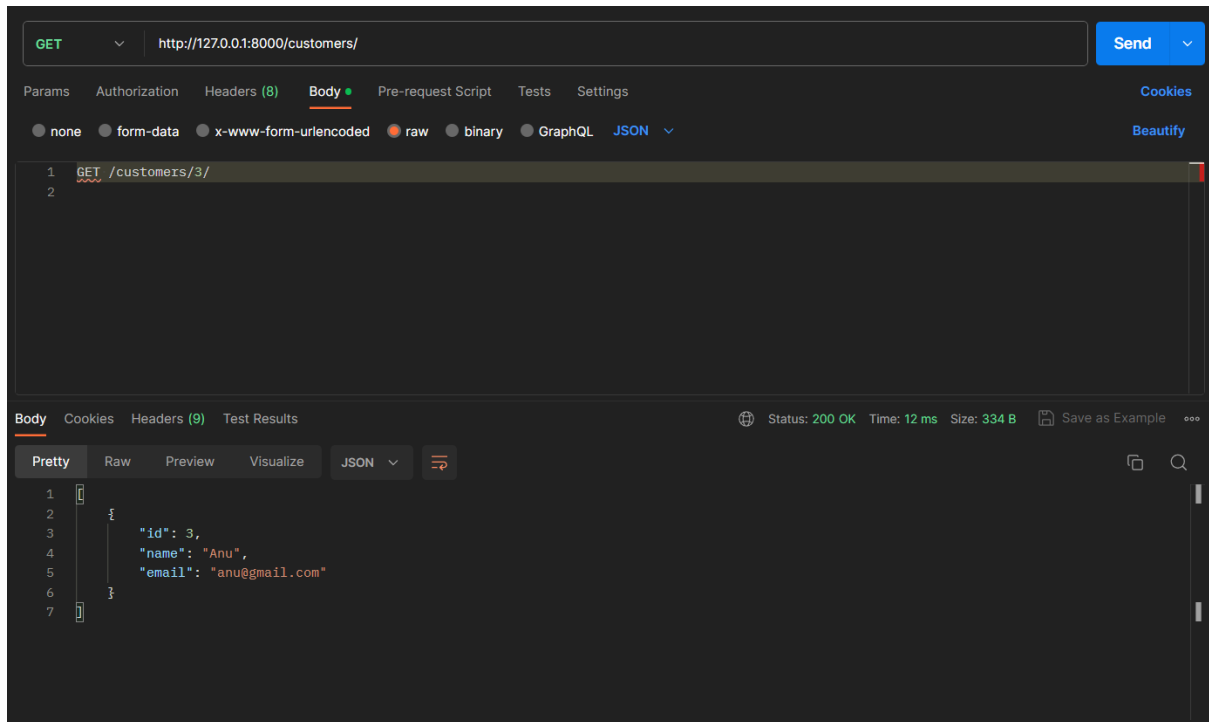
GET /customers/

Screenshot

3. Get Specific Customer

JSON -

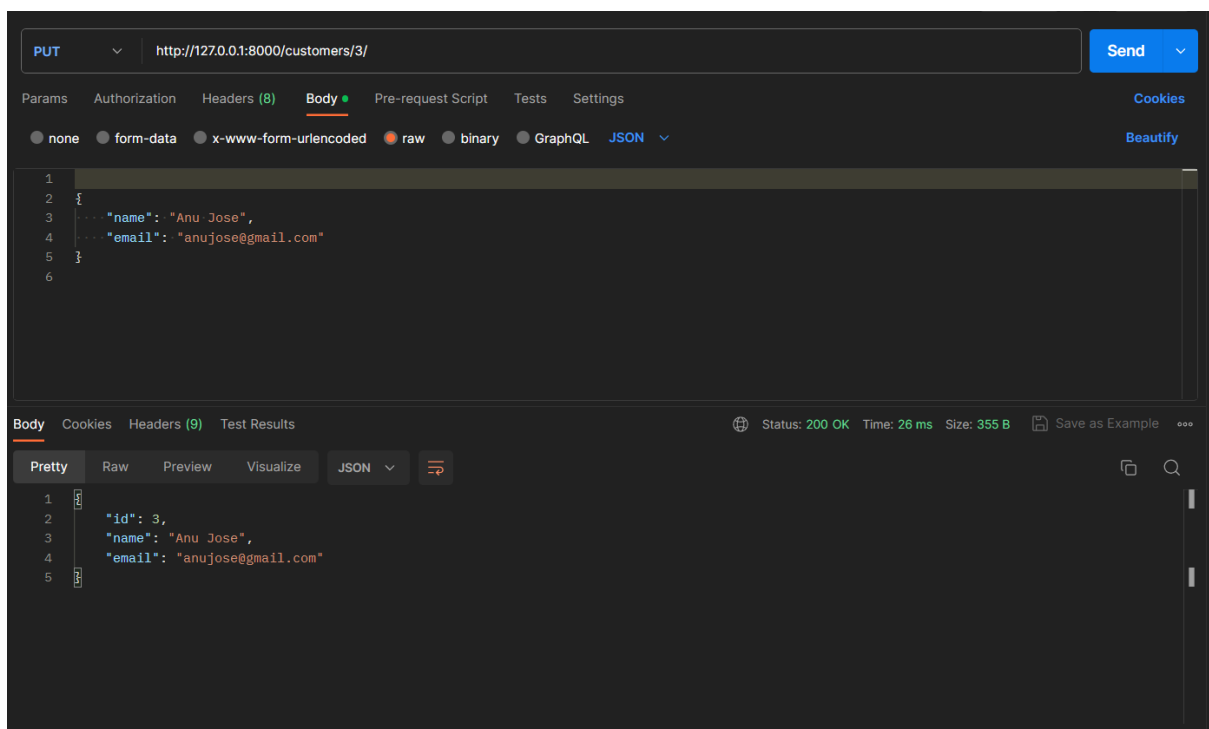GET /customers/3/

Screenshot -

4. **Update Customer**

JSON -

PUT /customers/2/
{
   "name": "Arun",
   "email": "arun@gmail.com"
}

Screenshot -
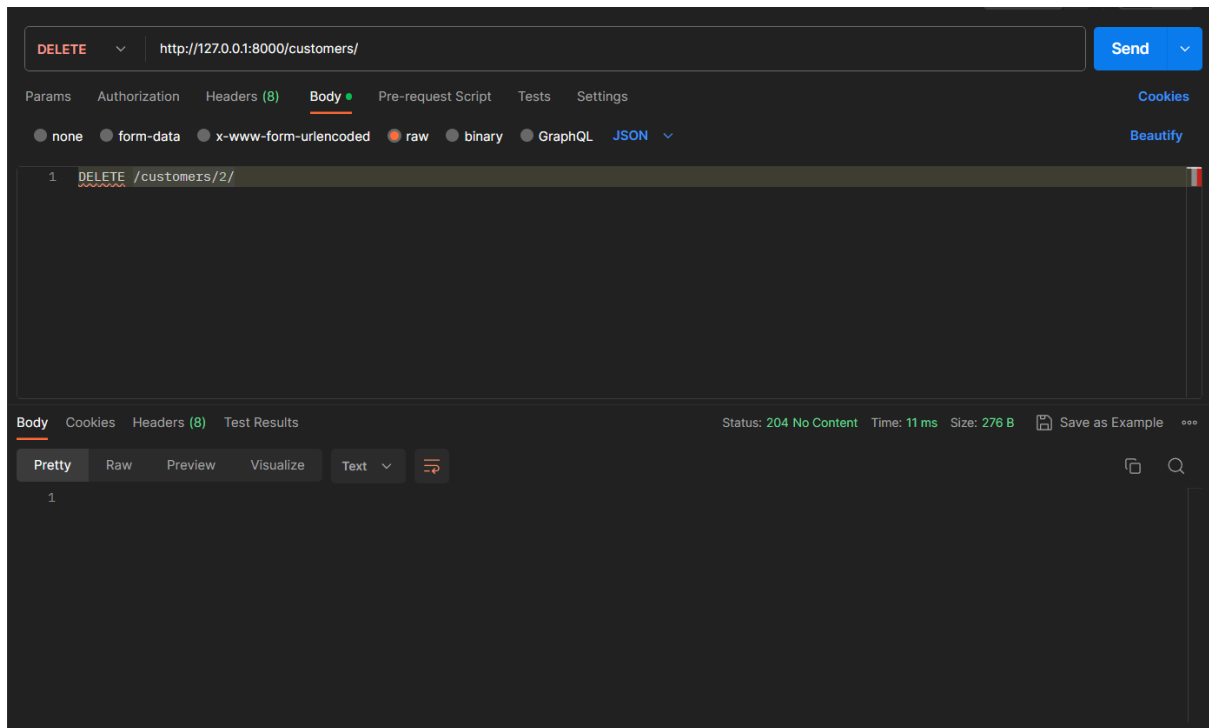
5. Delete Customer
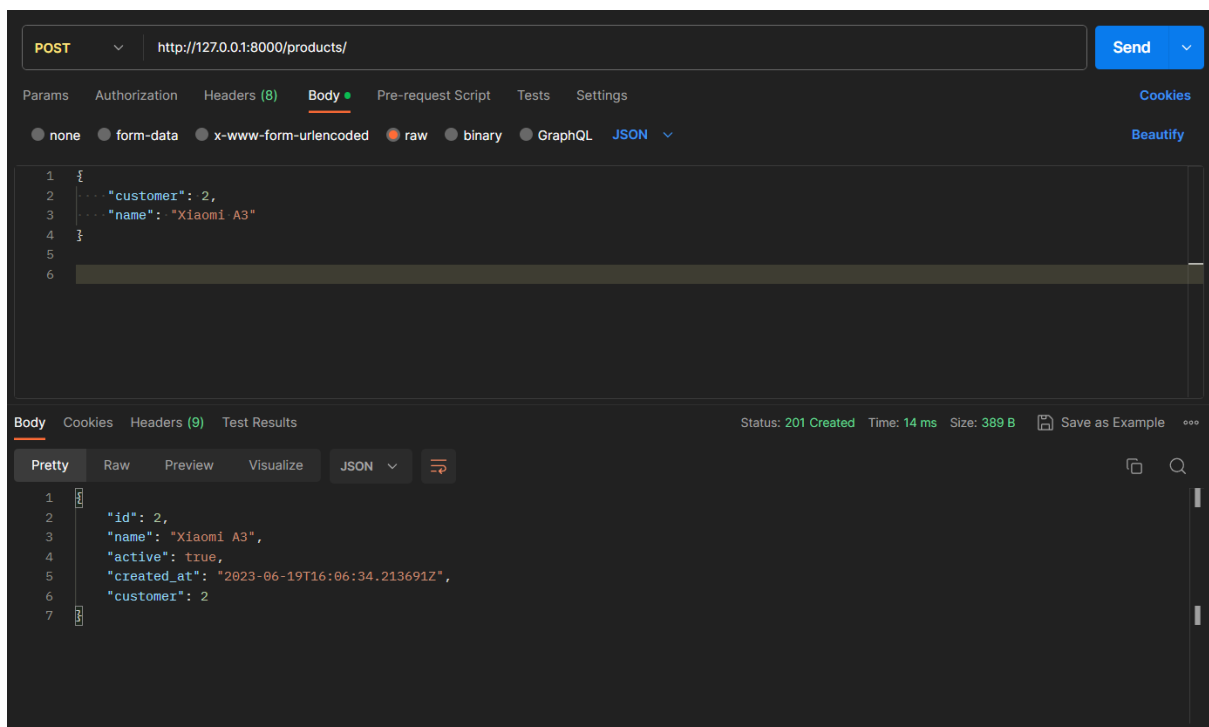
JSON -

DELETE /customers/2/

Screenshot –

6. **Add a new product**

   JSON-

   {
     "customer": 1,
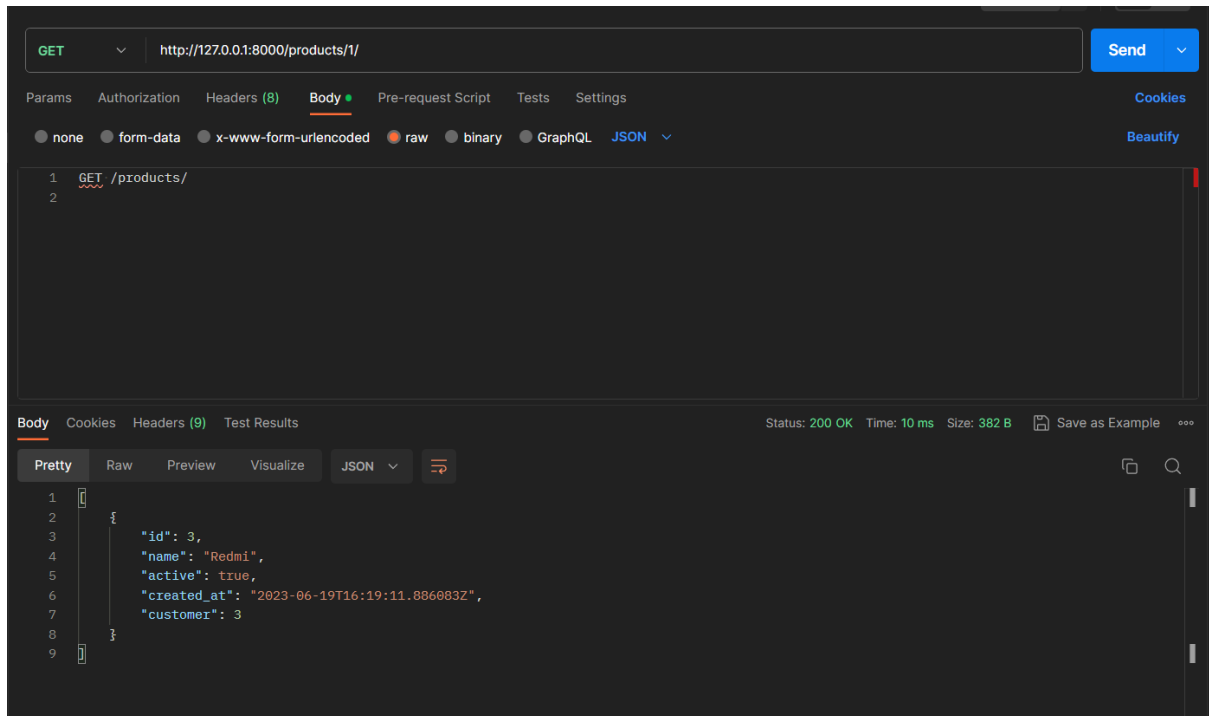   "name": "Mi A3"
   }

   Screenshot -

7. Get List of all products

JSON-

GET /products/

Screenshot -
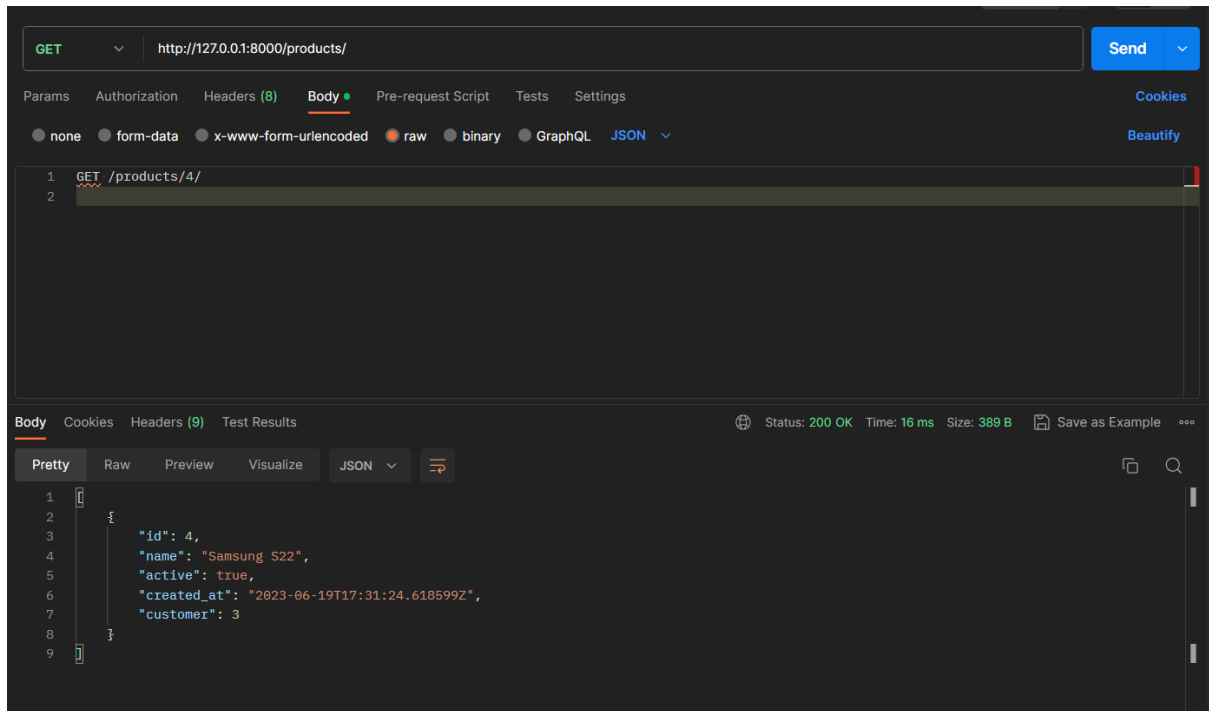
8. Get Specefic Product

JSON-

GET /products/3/
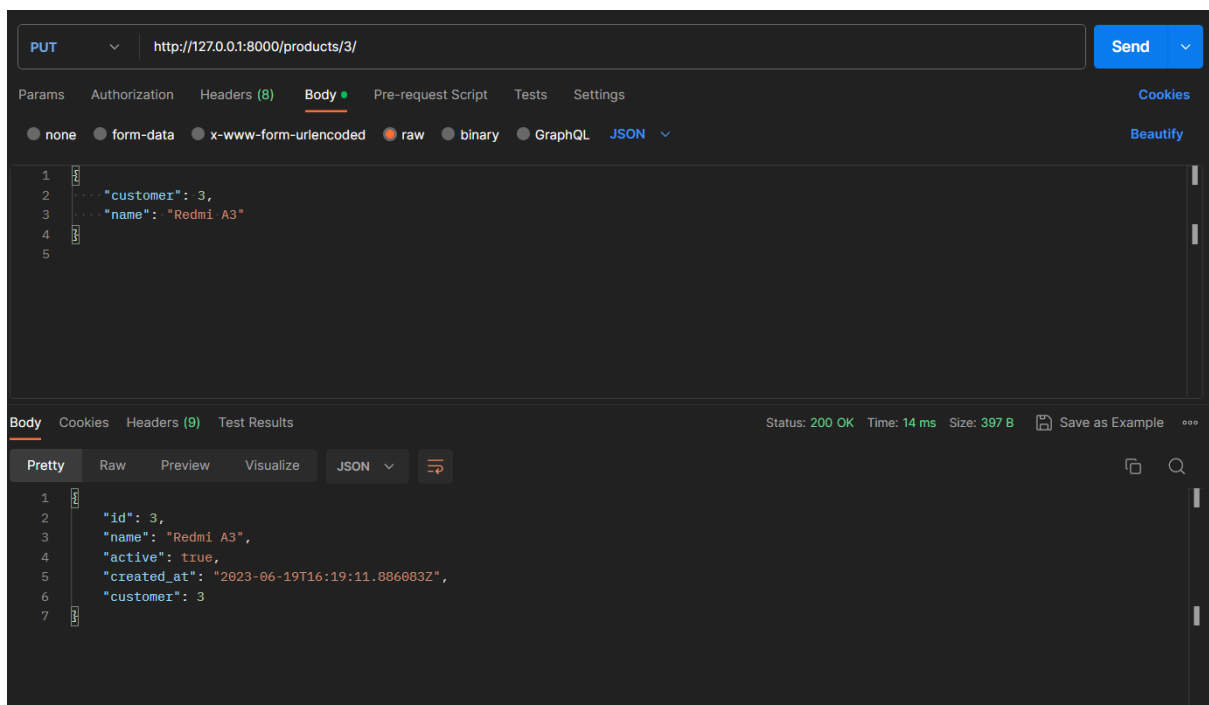
Screenshot

9. Update a product

JSON-

```
{
    "customer": 1,
    "name": "Redmi A3"
}
```
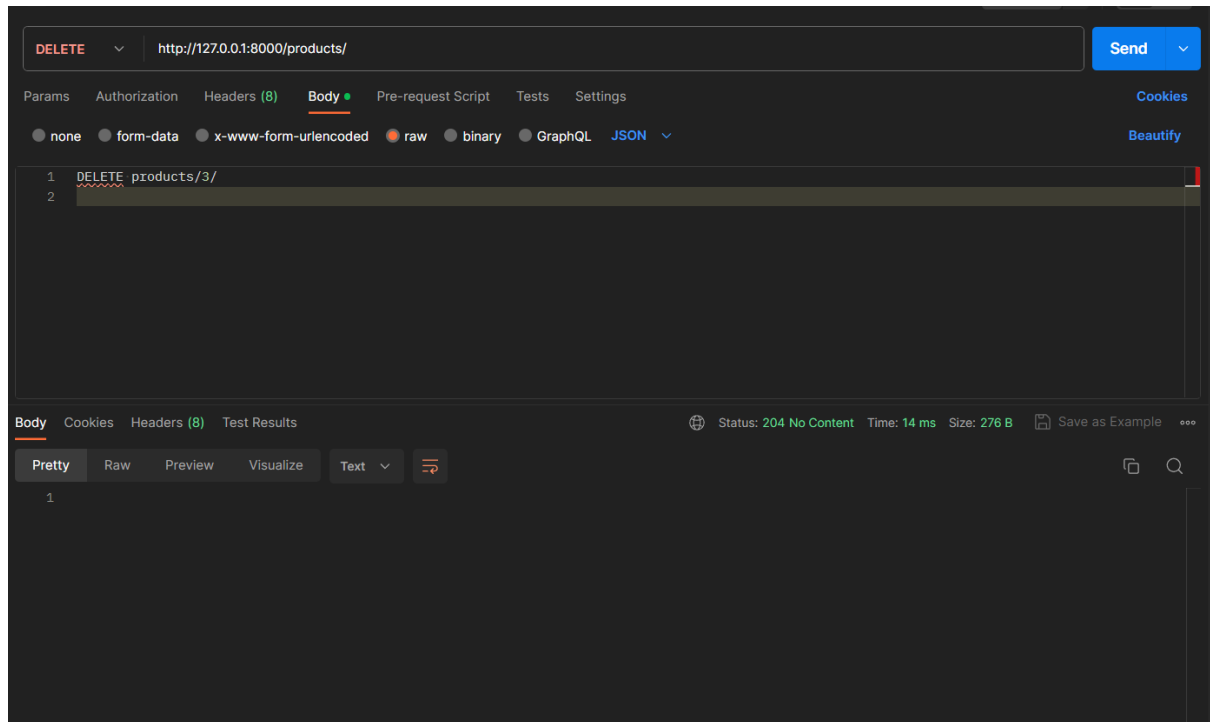
Screenshot-

10. Delete a product

JSON-

DELETE /products/3/

Screenshot-

11. Status of product

JSON-

```
{
   "name": "Mi A3",
   "customer": 1,
   "is_active": true
}
```

Screenshot-