ORDER PROCESS MANAGEMENT

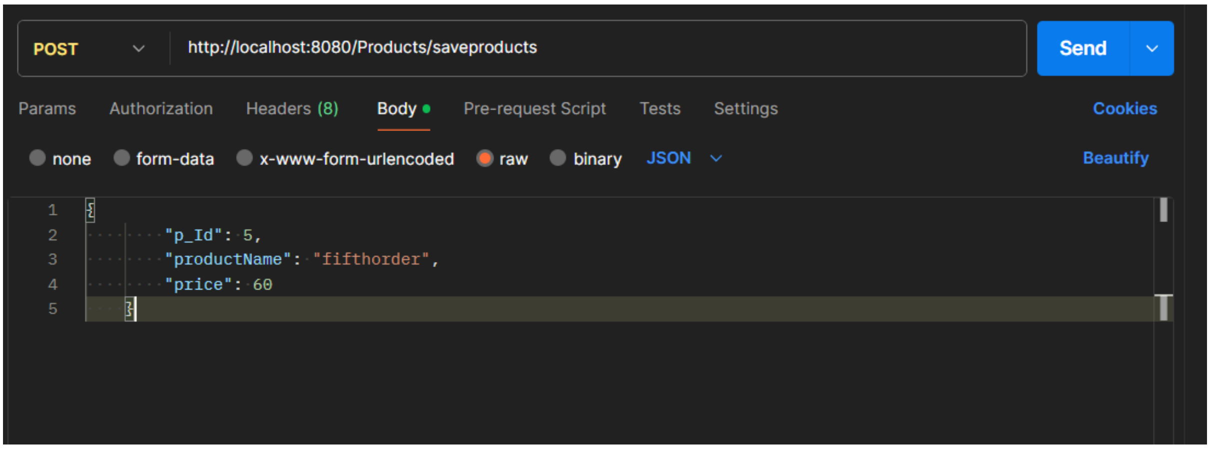
Product Controller

1. Create Operation

```
@PostMapping("/saveproducts")
private Productdto enterproducts(@Valid @RequestBody Productdto productdto) {
    return productservice.saveProducts(productdto);

}
```

Input

http://localhost:8080/Products/saveproducts

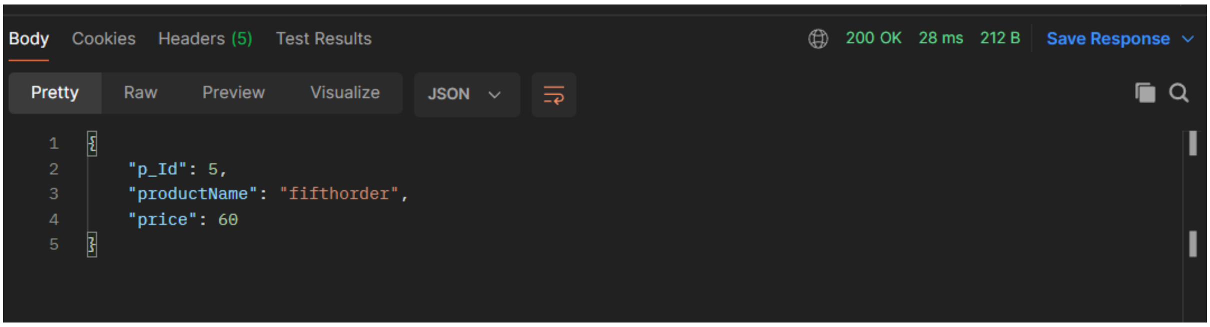


POST http://localhost:8080/Products/saveproducts

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary JSON

```
{
        "p_Id": 5,
        "productName": "fifthorder",
        "price": 60
    }
```

Output:



200 OK 28 ms 212 B

```
{
    "p_Id": 5,
    "productName": "fifthorder",
    "price": 60
}
```

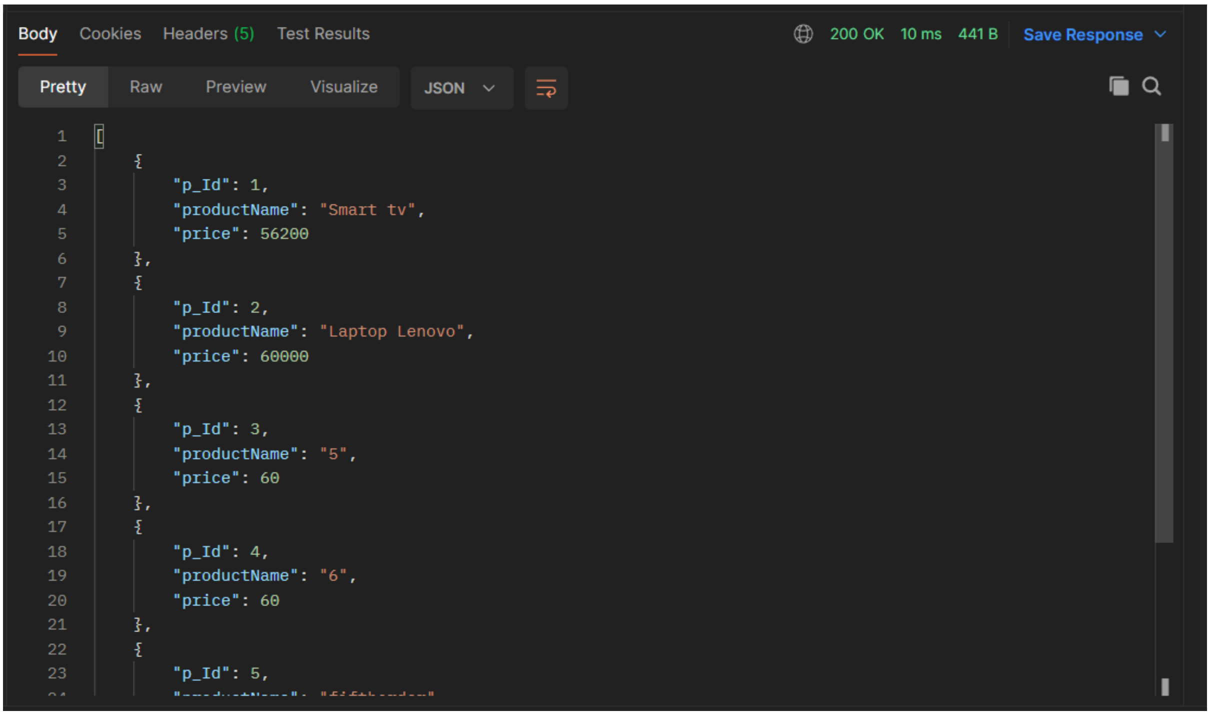
2. Retrieve Operation

```
@GetMapping("/showproducts")
private List <Productdto> showallproduct(){
    return productservice.showproducts();

}
```

Input:

http://localhost:8080/Products/showproducts

Output:



```
[
    {
        "p_Id": 1,
        "productName": "Smart tv",
        "price": 56200
    },
    {
        "p_Id": 2,
        "productName": "Laptop Lenovo",
        "price": 60000
    },
    {
        "p_Id": 3,
        "productName": "5",
        "price": 60
    },
    {
        "p_Id": 4,
        "productName": "6",
        "price": 60
    },
    {
        "p_Id": 5,
        "productName": "fifthorder"
```

3. Retrieve Product By Id

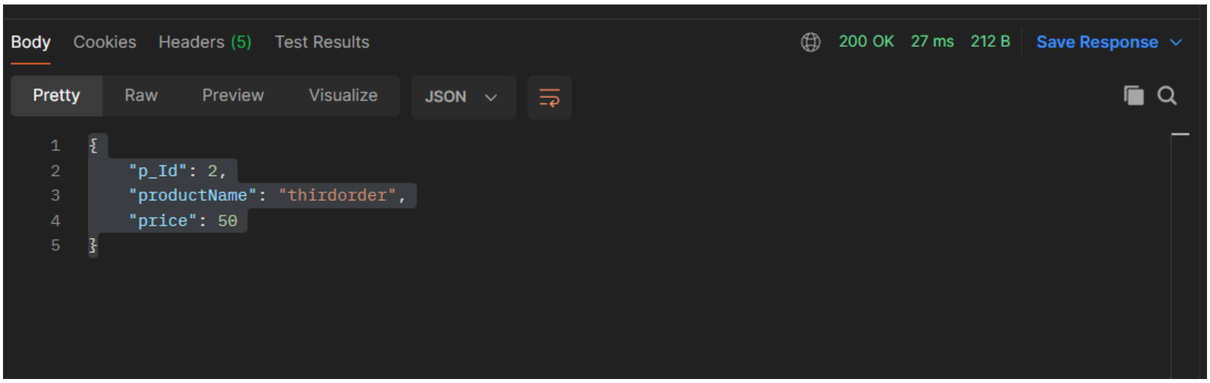
```
@GetMapping("/showbyid/{p_Id}")
Productdto showproductById(Productdto productdto,@PathVariable Long p_Id) {
    return productservice.showbyID(productdto, p_Id);

}
```

Input:

http://localhost:8080/Products/showbyid/{p_Id}

http://localhost:8080/Products/showbyid/2

Output:



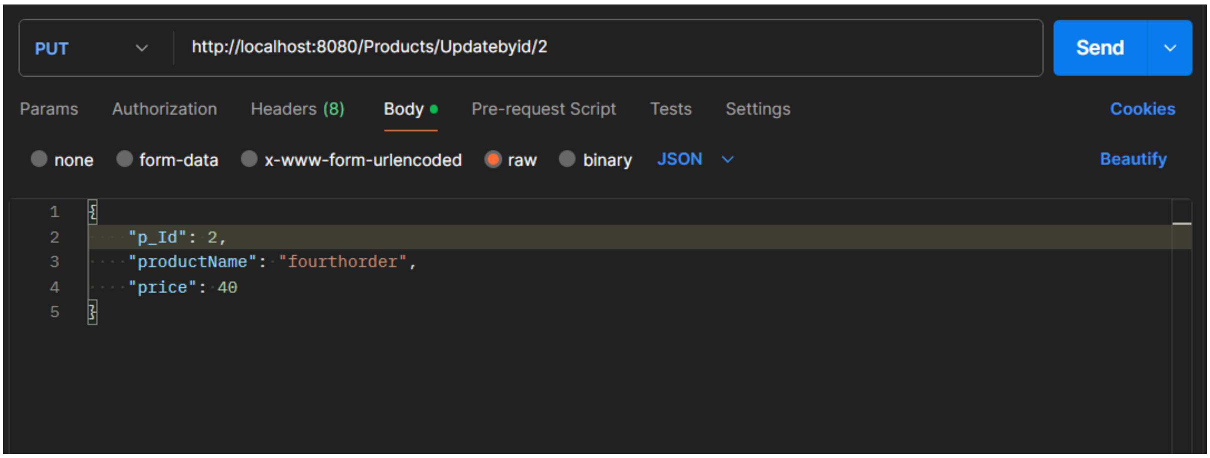
```
{
    "p_Id": 2,
    "productName": "thirdorder",
    "price": 50
}
```

4. Update Products by id:

```
@PutMapping("/Updatebyid/{p_Id}")
ResponseEntity<Productdto> updateProduct(@PathVariable Long p_Id,@RequestBody Productdto productdto)
    return productservice.updateProducts(p_Id, productdto);}
```

Input:

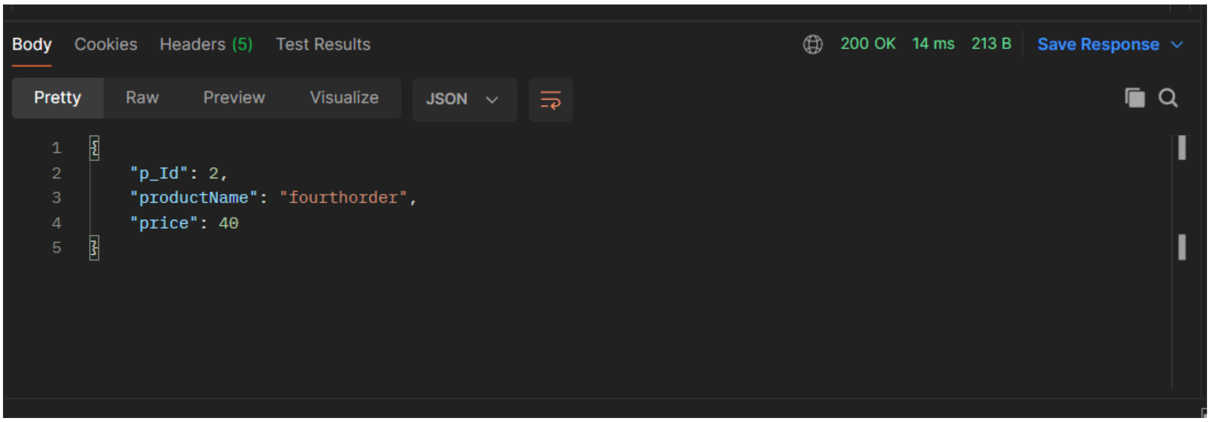
http://localhost:8080/Products/Updatebyid/2



http://localhost:8080/Products/Updatebyid/2

```
{
    "p_Id": 2,
    "productName": "fourthorder",
    "price": 40
}
```

Output:



200 OK 14 ms 213 B

```
{
    "p_Id": 2,
    "productName": "fourthorder",
    "price": 40
}
```

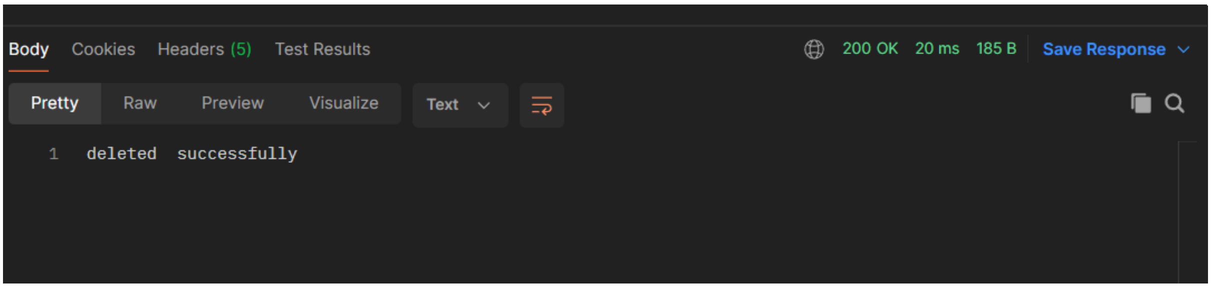
5. Delete Product by Id:

```
@DeleteMapping("/dltbyid/{p_Id}")
public ResponseEntity<String> deleteproduct(@PathVariable Long p_Id){
    productservice.dltproduct(p_Id);
    return ResponseEntity.ok("deleted  successfully");

}
```

Input:

http://localhost:8080/Products/dltbyid/12

Output:



```
deleted  successfully
```

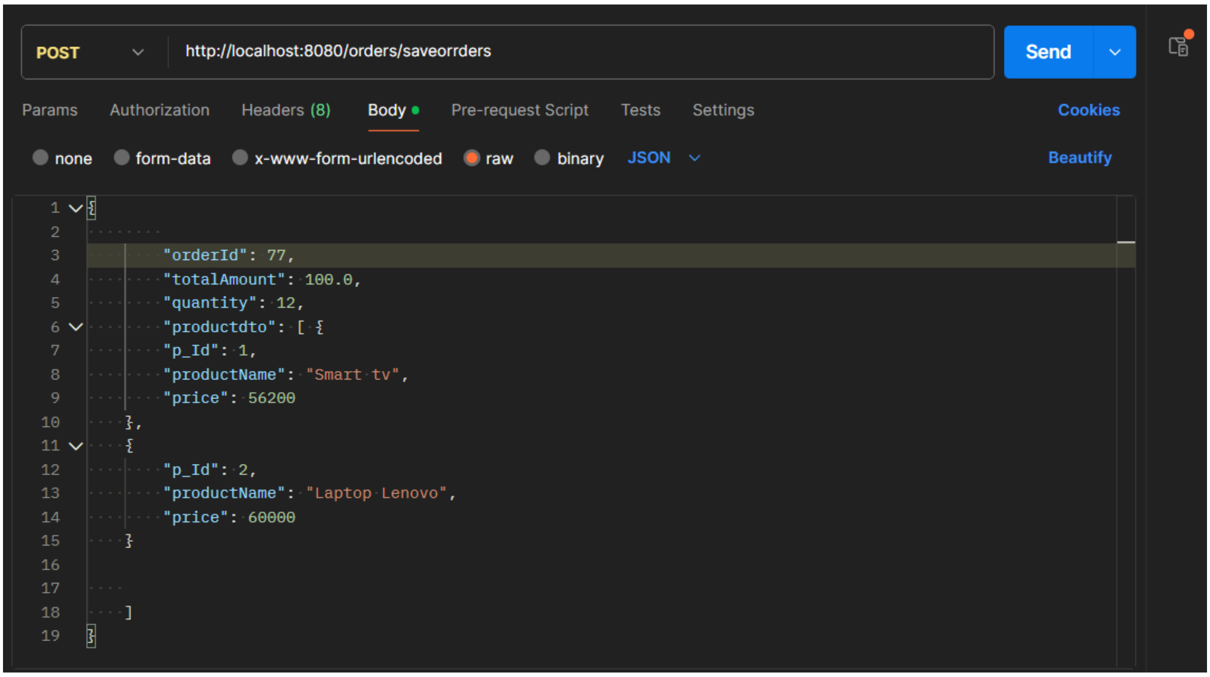
Order Controller

1. Create operations :

```
@PostMapping("/saveorrders")
private Orderdto enterNewOrder(@Valid @RequestBody Orderdto orderdto) {
    return orderservice.saveOrders(orderdto);

}
```

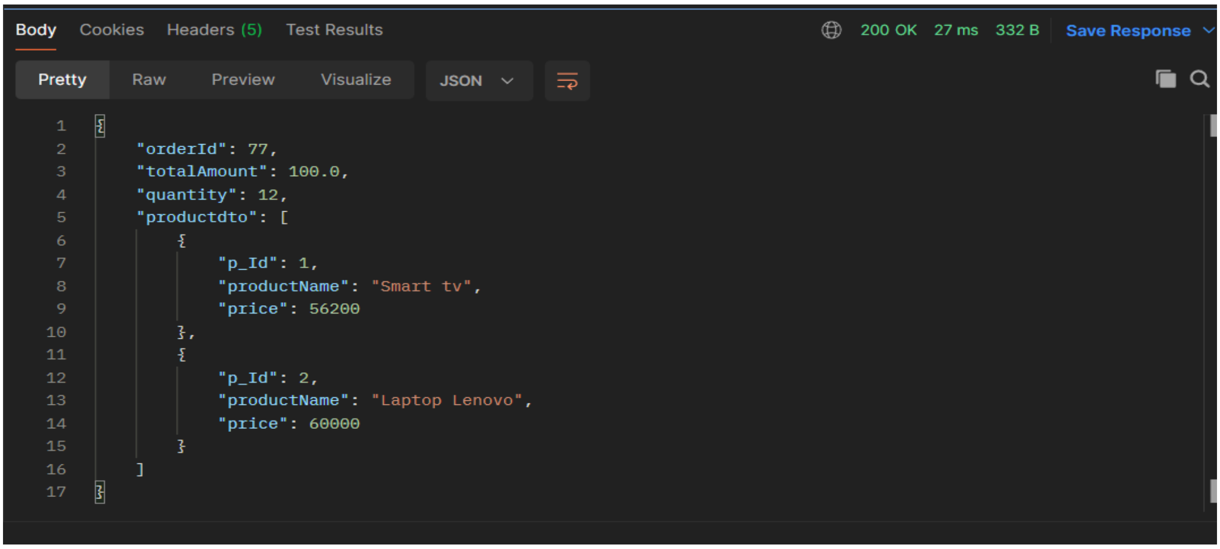
Input:

http://localhost:8080/orders/saveorrders



```
{

        "orderId": 77,
        "totalAmount": 100.0,
        "quantity": 12,
        "productdto": [ {
        "p_Id": 1,
        "productName": "Smart tv",
        "price": 56200
    },
    {
        "p_Id": 2,
        "productName": "Laptop Lenovo",
        "price": 60000
    }


    ]
}
```

Output:



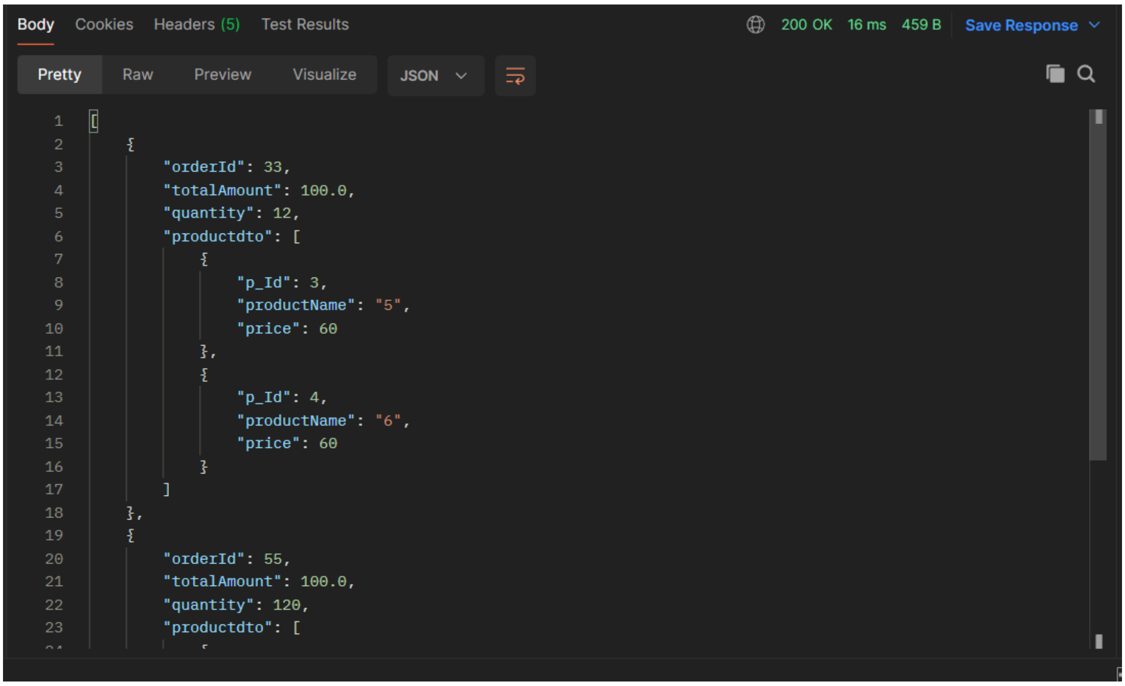
```
{
    "orderId": 77,
    "totalAmount": 100.0,
    "quantity": 12,
    "productdto": [
        {
            "p_Id": 1,
            "productName": "Smart tv",
            "price": 56200
        },
        {
            "p_Id": 2,
            "productName": "Laptop Lenovo",
            "price": 60000
        }
    ]
}
```

2. Retrieve Operation:

```
@GetMapping("/showorders")
private List <Orderdto> showAllOrders(){
    return orderservice.showOrders();

}
```

Input:
http://localhost:8080/orders/showorders

Output:



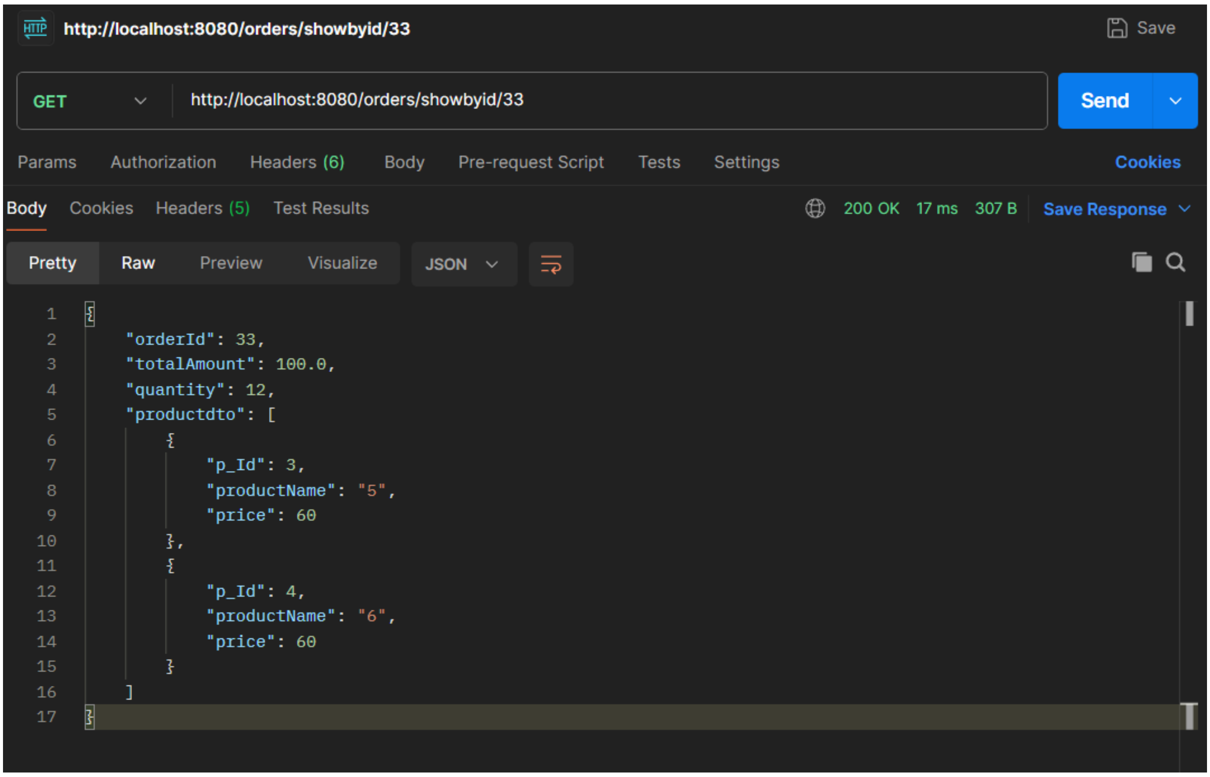
```
[
    {
        "orderId": 33,
        "totalAmount": 100.0,
        "quantity": 12,
        "productdto": [
            {
                "p_Id": 3,
                "productName": "5",
                "price": 60
            },
            {
                "p_Id": 4,
                "productName": "6",
                "price": 60
            }
        ]
    },
    {
        "orderId": 55,
        "totalAmount": 100.0,
        "quantity": 120,
        "productdto": [
```

3. Retrieve by Id:

```
@GetMapping("/showbyid/{orderId}")
Orderdto showOrderById(Orderdto orderdto,@PathVariable Long orderId) {
    return orderservice.showbyID(orderdto, orderId);

}
```

Input:

http://localhost:8080/orders/showbyid/{orderID}
http://localhost:8080/orders/showbyid/33



GET http://localhost:8080/orders/showbyid/33

200 OK 17 ms 307 B

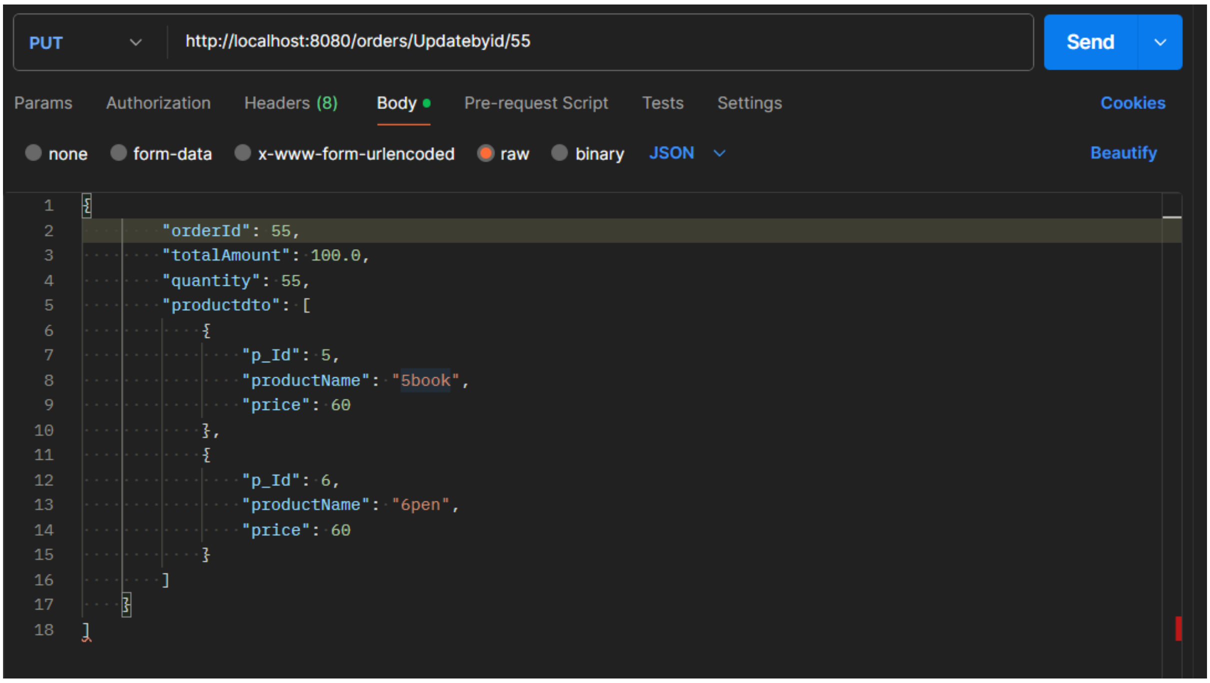
```
{
    "orderId": 33,
    "totalAmount": 100.0,
    "quantity": 12,
    "productdto": [
        {
            "p_Id": 3,
            "productName": "5",
            "price": 60
        },
        {
            "p_Id": 4,
            "productName": "6",
            "price": 60
        }
    ]
}
```

4. Update by Id:

```
@PutMapping("/Updatebyid/{orderId}")
ResponseEntity<String> updateOrders(@PathVariable Long orderId,@RequestBody Orderdto orderdto){
    orderservice.updateorders(orderId, orderdto);

    return ResponseEntity.ok("Updated successfully");
    }
```

Input:

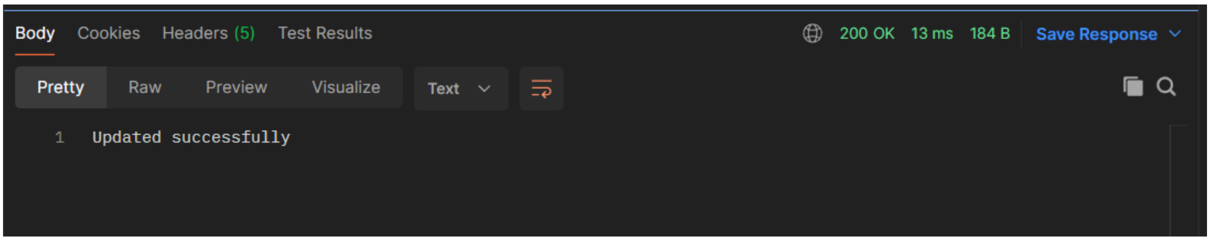
http://localhost:8080/orders/Updatebyid/55



http://localhost:8080/orders/Updatebyid/55

```
[
    {
        "orderId": 55,
        "totalAmount": 100.0,
        "quantity": 55,
        "productdto": [
            {
                "p_Id": 5,
                "productName": "5book",
                "price": 60
            },
            {
                "p_Id": 6,
                "productName": "6pen",
                "price": 60
            }
        ]
    }
]
```

Output:



```
Updated successfully
```

5. Delete by Id:

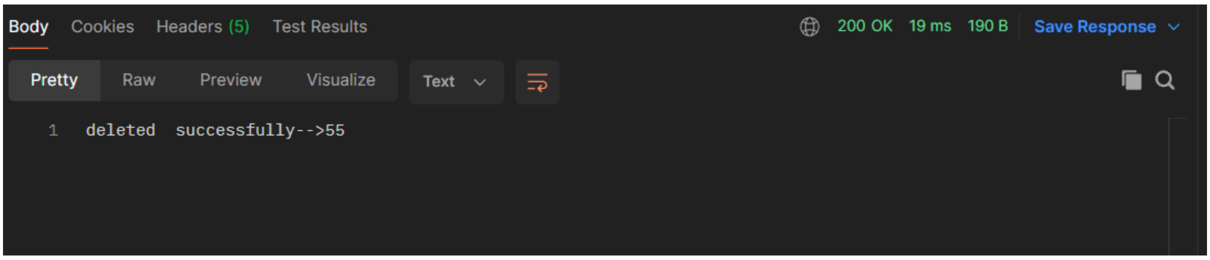
```
@DeleteMapping("/dltbyid/{orderId}")
public ResponseEntity<String> deleteorders(@PathVariable Long orderId){
    orderservice.dltorders(orderId);
    return ResponseEntity.ok("deleted  successfully");

}
```

Input:

http://localhost:8080/orders/dltbyid/{orderId}

http://localhost:8080/orders/dltbyid/55

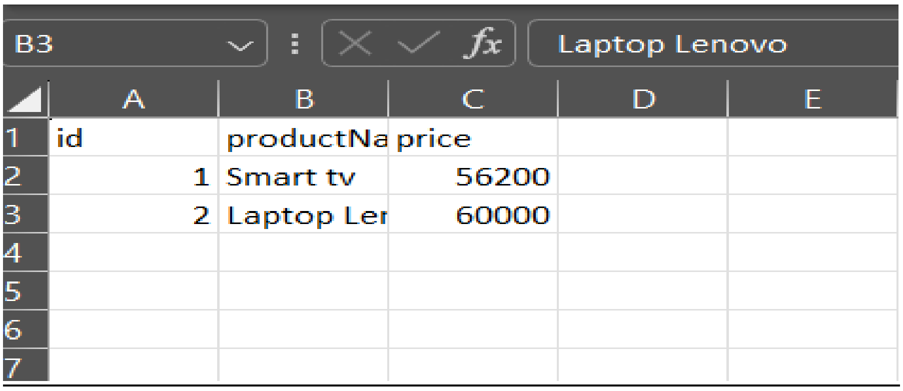
Output:



```
deleted  successfully-->55
```

Batch configuration :

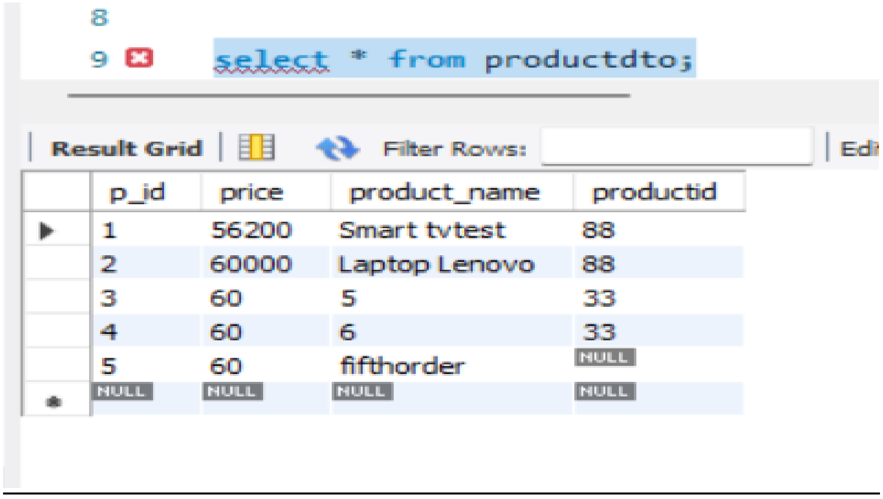
Product.csv file



	A	B	C	D	E
1	id	productNa	price		
2	1	Smart tv	56200		
3	2	Laptop Ler	60000		
4					
5					
6					
7					

MySQL Database:

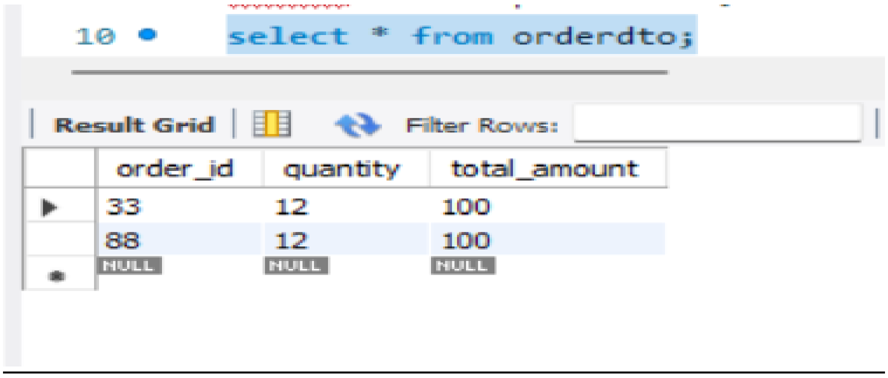
1. ProductDto table



```
select * from productdto;
```

p_id	price	product_name	productid
1	56200	Smart tvtest	88
2	60000	Laptop Lenovo	88
3	60	5	33
4	60	6	33
5	60	fifthorder	NULL
NULL	NULL	NULL	NULL

2. OrderDto Table:



```
select * from orderdto;
```

order_id	quantity	total_amount
33	12	100
88	12	100
NULL	NULL	NULL