주문서비스에서 주문을 취소하는 작업

<PHONE 5개 주문>
: order만 기동된 상태

```
root@labs--317592847:/home/project/cna-pubsub2# http localhost:8081/orders productId=1 productName="PHONE" qty=5
HTTP/1.1 201
Content-Type: application/json;charset=UTF-8
Date: Thu, 10 Mar 2022 12:09:20 GMT
Location: http://localhost:8081/orders/2
Transfer-Encoding: chunked

{
    "_links": {
        "order": {
            "href": "http://localhost:8081/orders/2"
        },
        "self": {
            "href": "http://localhost:8081/orders/2"
        }
    },
    "productId": 1,
    "productName": "PHONE",
    "qty": 5
}
```

Order.java

```java
@PostPersist
public void onPostPersist(){
    OrderPlaced orderPlaced = new OrderPlaced();
    BeanUtils.copyProperties(this, orderPlaced);
    orderPlaced.publishAfterCommit();
}
```

Kafka 확인

{"eventType":"OrderPlaced","timestamp":"20220310120920","id":2,"productId":1,"qty":5,"productName":"PHONE","me":true}

주문 내역 삭제

```
root@labs--317592847:/home/project/cna-pubsub2# http DELETE localhost:8081/orders/2
HTTP/1.1 204
Date: Thu, 10 Mar 2022 12:11:13 GMT
```

Order.java

```java
@PreRemove
public void onPreRemove(){
    OrderCancelled orderCancelled = new OrderCancelled();
    BeanUtils.copyProperties(this, orderCancelled);
    orderCancelled.publishAfterCommit();
}
```

Kafka 확인

{"eventType":"OrderPlaced","timestamp":"20220310120920","id":2,"productId":1,"qty":5,"productName":"PHONE","me":true}
{"eventType":"OrderCancelled","timestamp":"20220310121113","id":2,"productId":1,"qty":5,"productName":"PHONE","me":true}

배송서비스에서 주문 삭제시 배송을 취소하는 작업

<DESK 20개 주문>

```
root@labs--317592847:/home/project/cna-pubsub2# http localhost:8081/orders productId=1 productName="DESK" qty=20
HTTP/1.1 201
Content-Type: application/json;charset=UTF-8
Date: Thu, 10 Mar 2022 12:22:53 GMT
Location: http://localhost:8081/orders/2
Transfer-Encoding: chunked

{
    "_links": {
        "order": {
            "href": "http://localhost:8081/orders/2"
        },
        "self": {
            "href": "http://localhost:8081/orders/2"
        }
    },
    "productId": 1,
    "productName": "DESK",
    "qty": 20
}
```

배송목록에 DESK 추가됨

```
root@labs--317592847:/home/project/cna-pubsub2# http localhost:8082/deliveries
HTTP/1.1 200
Content-Type: application/hal+json;charset=UTF-8
Date: Thu, 10 Mar 2022 12:24:31 GMT
Transfer-Encoding: chunked

{
    "_embedded": {
        "deliveries": [
            {
                "_links": {
                    "delivery": {
                        "href": "http://localhost:8082/deliveries/4"
                    },
                    "self": {
                        "href": "http://localhost:8082/deliveries/4"
                    }
                },
                "orderId": 2,
                "productId": 1,
                "productName": "DESK"
            }
        ]
    },
    "_links": {
        "profile": {
            "href": "http://localhost:8082/profile/deliveries"
        },
        "search": {
            "href": "http://localhost:8082/deliveries/search"
        },
        "self": {
            "href": "http://localhost:8082/deliveries{?page,size,sort}",
```

Kafka 확인

```
{"eventType":"OrderPlaced","timestamp":"20220310122253","id":2,"productId":1,"qty":20,"productName":"DESK","me":true}
{"eventType":"DeliveryStarted","timestamp":"20220310122253","id":4,"orderId":2,"productId":1,"productName":"DESK","me":true}
```

배송서비스에서 주문 삭제시 배송을 취소하는 작업

<주문 삭제>

```
root@labs--317592847:/home/project/cna-pubsub2# http DELETE localhost:8081/orders/2
HTTP/1.1 204
Date: Thu, 10 Mar 2022 12:25:12 GMT
```

Kafka 확인
 : 주문이 삭제되고, 배달도 취소됨을 확인

```
{"eventType":"OrderCancelled","timestamp":"20220310122512","id":2,"productId":1,"qty":20,"productName":"DESK","me":true}
{"eventType":"DeliveryCancelled","timestamp":"20220310122512","id":4,"orderId":2,"productId":1,"productName":"DESK","me":true
```