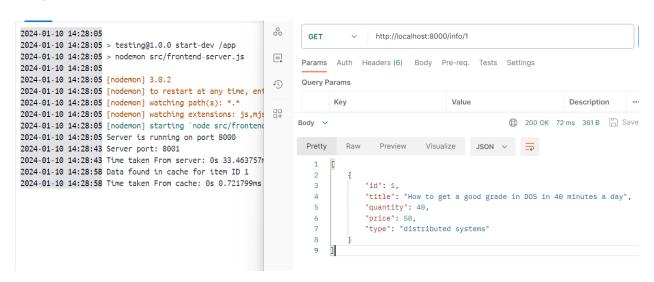
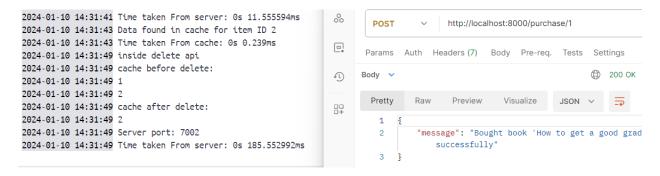
## Invalidate the cache experiment





Then, use the purchase API to buy item 1 and check if the item has been deleted from the cache. In the photo, you can see the cache before deleting item 1 and after it has been deleted:



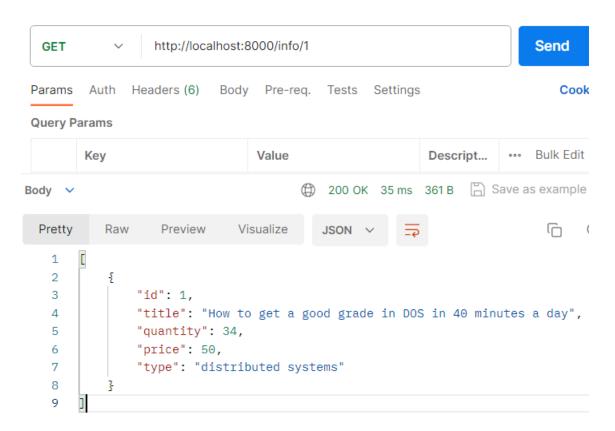
If we use the info API on item 1 again, the response will come from the server instead of the cache:

```
2024-01-10 14:35:42 Server port: 7001
2024-01-10 14:35:42 Time taken From server: 0s 12.140811ms
```

## **Edit Database experiment**

When utilizing the Purchase API and making modifications, such as on the database for replication 1, it is imperative to ensure that the database is promptly updated with the latest data across all replications.

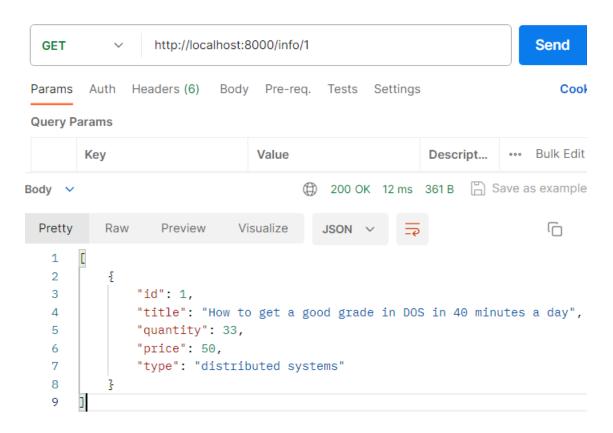
First, use the Info API to check the quantity of the item on Catalog Server 1, which is accessible through port 8001.



Then, utilize the purchase API to acquire item 1.



Here we check if the quantity has changed on catalog server 2, port 7001.



Retrieve the first info from catalog server 1 (port 8001) and the second info from catalog server 2 (port 7001).

```
2024-01-10 14:48:40 Server port: 8001

2024-01-10 14:48:40 Time taken From server: 0s 19.056874ms

2024-01-10 14:49:04 inside delete api

2024-01-10 14:49:04 cache before delete:

2024-01-10 14:49:04 1

2024-01-10 14:49:04 cache after delete:

2024-01-10 14:49:04 Server port: 8002

2024-01-10 14:49:04 Database modified for replications successfully

2024-01-10 14:49:04 Time taken From server: 0s 57.098078ms

2024-01-10 14:49:45 Server port: 7001

2024-01-10 14:49:45 Time taken From server: 0s 5.109701ms
```