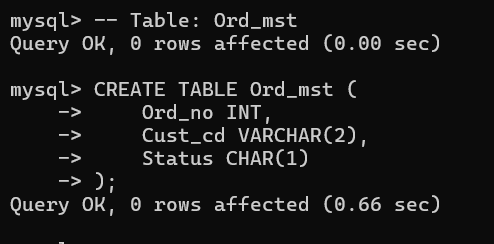
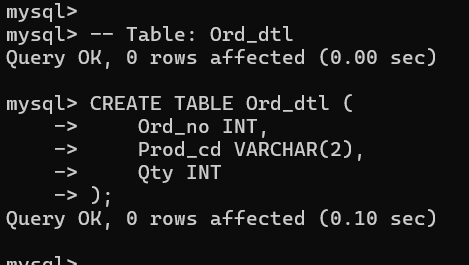
MySQL

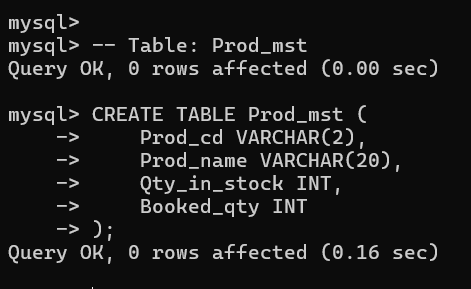
Exercise 7

Create the following 3 tables and insert sample data as shown:-

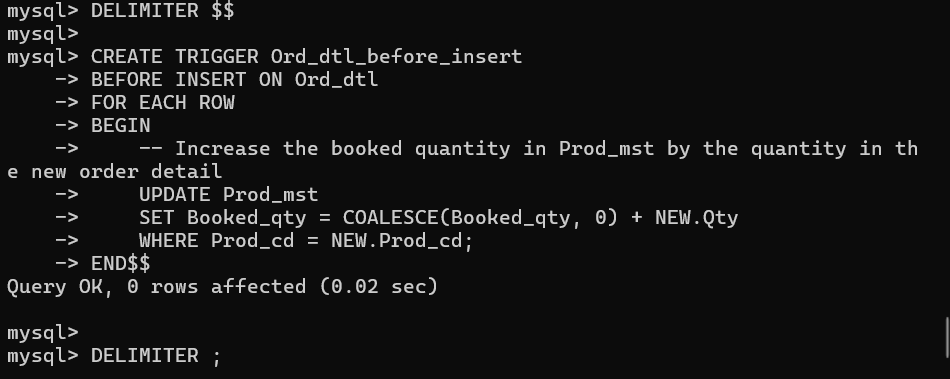
|  |  |  |  |
| --- | --- | --- | --- |
| **Ord\_mst** |  |  |  |
| **Ord\_no** | **Cust\_cd** | **Status** |  |
| 1  **Ord\_dtl** | C1 | P |  |
| **Ord\_no** | **Prod\_cd** | **Qty** |  |
| 1 | P1 | 100 |  |
| 1  **Prod\_mst** | P2 | 200 |  |
| **Prod\_cd** | **Prod\_name Qty\_in\_stock** | | **Booked\_qty** |
| P1 | Floppies 10000 | | 1000 |
| P2 | Printers 5000 | | 600 |
| P3 | Modems 3000 | | 200 |



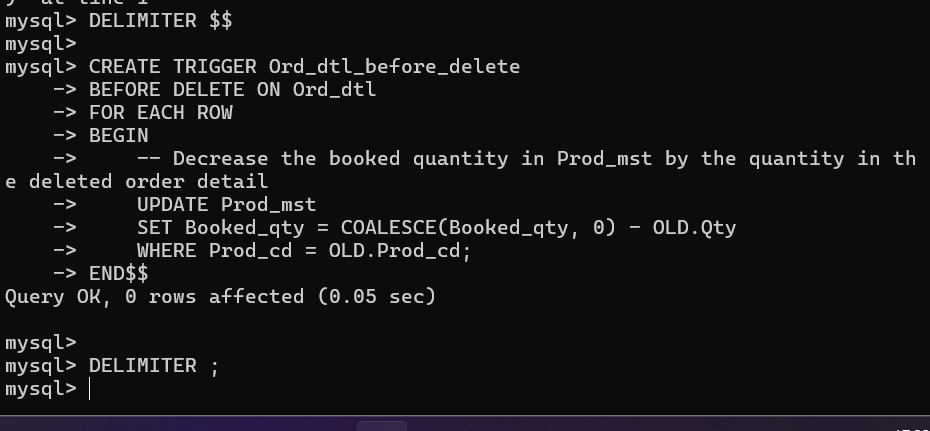


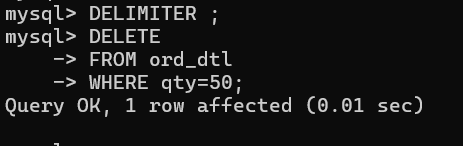


1. Write a Before Insert trigger on Ord\_dtl. Anytime a row is inserted in Ord\_dtl, the Booked\_qty in Prod\_mst should be increased accordingly.



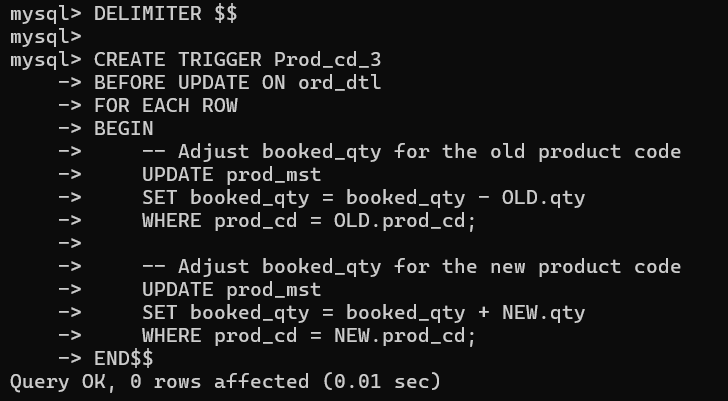
1. Write a Before Delete trigger on Ord\_dtl. Anytime a row is deleted from Ord\_dtl, the Booked\_qty in Prod\_mst should be decreased accordingly.

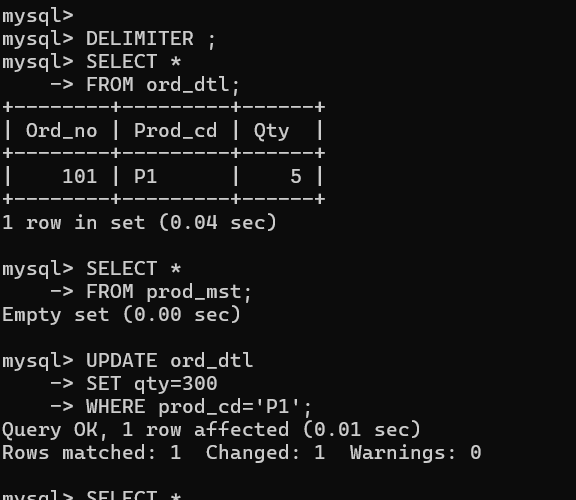


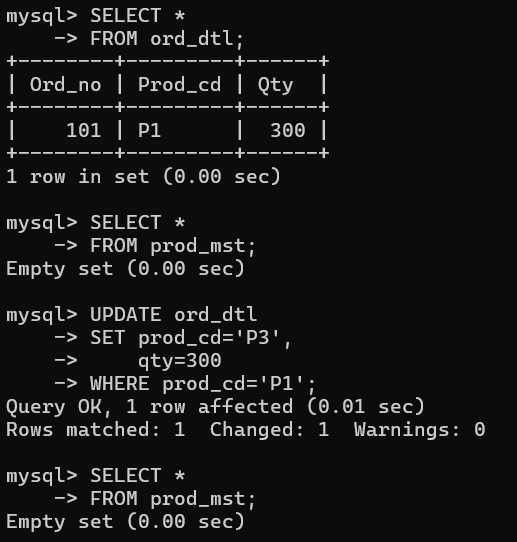


1. Write a Before Update of Prod\_cd, Qty trigger on Ord\_dtl. Anytime the Prod\_cd or Qty is updated, the Booked\_qty in Prod\_mst should be increased/decreased accordingly.

Ans:







1. Write a Before Update of Status trigger on Ord\_mst. If the Status is updated from P (Pending) to D (Delivered), the Booked\_qty and Qty\_in\_stock from Prod\_mst should be decreased accordingly. If the Status is updated from P (Pending) to C (Cancelled), the details of the order should be deleted from Ord\_dtl and corresponding Booked\_qty from Prod\_mst should be decreased accordingly. (The Before delete trigger on Ord\_dtl would automatically decrease the Booked\_qty from Prod\_mst).

Ans:

