PL*SQL
Exercise 9

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

Ord_mst

Ord_no	Cust_cd	Status
1	C1	P

Ord_dtl

Ord_no	Prod_cd	Qty
1	P1	100
1	P2	200

Prod_mst

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.

2. 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.

3. 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.

4. 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).