create database q8;

use q8;

-- Create Customer table

CREATE TABLE Customer (

Cid INT PRIMARY KEY,

CustName VARCHAR(100),

City VARCHAR(100)

);

-- Create Product table

CREATE TABLE Product (

Pid INT PRIMARY KEY,

ProductName VARCHAR(100),

Qty INT

);

-- Create Order table

CREATE TABLE Orders (

Oid INT PRIMARY KEY,

Cid INT,

Pid INT,

Qty INT,

FOREIGN KEY (Cid) REFERENCES Customer(Cid),

FOREIGN KEY (Pid) REFERENCES Product(Pid)

);

-- Insert data into Customer table

INSERT INTO Customer (Cid, CustName, City)

VALUES

(1, 'John Doe', 'New York'),

(2, 'Alice Smith', 'Los Angeles'),

(3, 'Bob Brown', 'Chicago');

-- Insert data into Product table

INSERT INTO Product (Pid, ProductName, Qty)

VALUES

(101, 'Laptop', 50),

(102, 'Phone', 100),

(103, 'Tablet', 30);

DELIMITER $$

CREATE TRIGGER update\_product\_qty\_after\_order

AFTER INSERT ON `Orders`

FOR EACH ROW

BEGIN

UPDATE Product

SET Qty = Qty - NEW.Qty

WHERE Pid = NEW.Pid;

END $$

DELIMITER ;

SELECT \* FROM Product;

-- Insert data into Order table

INSERT INTO Orders (Oid, Cid, Pid, Qty)

VALUES

(1, 1, 101, 2), -- John Doe ordered 2 Laptops

(2, 2, 102, 1), -- Alice Smith ordered 1 Phone

(3, 3, 103, 3); -- Bob Brown ordered 3 Tablets

SELECT \* FROM Orders;