

Trigger

1.update

```
-- After the inventory is updated, update the sales value of the corresponding book
CREATE OR REPLACE TRIGGER update_book_sell_price
AFTER UPDATE ON inventory
FOR EACH ROW
BEGIN
    UPDATE book SET price = new.sell_price WHERE book_id = :new.book_id;
END;
/

-- check trigger
UPDATE inventory SET sell_price = 50 WHERE inventory_id = 1;

SELECT price FROM book WHERE book_id = 1;
```

2.insert

```
-- When inserting a row into the book table, check if the price is greater than 0

CREATE OR REPLACE TRIGGER trg_check_book_price
BEFORE INSERT ON book
FOR EACH ROW
BEGIN
    IF :NEW.Price <= 0 THEN
        RAISE_APPLICATION_ERROR(-20001, 'Book price must be greater than 0.');
```

```
    END IF;
END;
/

-- check trigger
INSERT INTO book(Book_ID, Title, Author, Publisher, Publication_Date, Price, Genre)
VALUES (11, 'Test Book', 'John Smith', 'Test Publisher', SYSDATE, 0, 'Fiction');
```

3.delete

```
-- The delete trigger of the order table is used to delete the total price of the
order from the corresponding
-- shopping cart when deleting the order:

CREATE OR REPLACE TRIGGER update_shopping_cart_total_price
AFTER DELETE ON orders
```

```
FOR EACH ROW
BEGIN
    UPDATE shopping_cart
    SET total_price = total_price - :old.total_price
    WHERE customer_id = :old.customer_id;
END;

-- check trigger

DELETE FROM orders WHERE order_id =1;
SELECT*FROM shopping_cart WHERE customer_id =1;
```