ALTER TRIGGER A9

ON LGLINE

AFTER INSERT, DELETE, UPDATE

AS

BEGIN

DECLARE @INV\_NUM INT

DECLARE @TOTAL INT

--INSERT CURSOR

IF(EXISTS(SELECT \* FROM INSERTED))

BEGIN

DECLARE INSERTED\_CURSOR CURSOR FOR

SELECT INV\_NUM, SUM(LINE\_QTY\*LINE\_PRICE) AS TOTAL

FROM INSERTED

GROUP BY INV\_NUM

OPEN INSERTED\_CURSOR

FETCH NEXT FROM INSERTED\_CURSOR

INTO @INV\_NUM, @TOTAL

WHILE (@@FETCH\_STATUS=0)

BEGIN

UPDATE LGINVOICE

SET INV\_TOTAL = INV\_TOTAL - @TOTAL

WHERE INV\_NUM= @INV\_NUM

FETCH NEXT FROM INSERTED\_CURSOR

INTO @INV\_NUM, @TOTAL

END

CLOSE INSERTED\_CURSOR

DEALLOCATE INSERTED\_CURSOR

END

--DELETED CURSOR

IF(EXISTS(SELECT \* FROM DELETED))

BEGIN

DECLARE DELETED\_CURSOR CURSOR FOR

SELECT INV\_NUM, SUM(LINE\_QTY\*LINE\_PRICE) AS TOTAL

FROM DELETED

GROUP BY INV\_NUM

OPEN DELETED\_CURSOR

FETCH NEXT FROM DELETED\_CURSOR

INTO @INV\_NUM, @TOTAL

WHILE(@@FETCH\_STATUS=0)

BEGIN

UPDATE LGINVOICE

SET INV\_TOTAL = INV\_TOTAL + @TOTAL

WHERE INV\_NUM=@INV\_NUM

FETCH NEXT FROM DELETED\_CURSOR

INTO @INV\_NUM, @TOTAL

END

CLOSE DELETED\_CURSOR

DEALLOCATE DELETED\_CURSOR

END

--UPDATE

IF(EXISTS(SELECT \* FROM INSERTED) AND EXISTS(SELECT \* FROM DELETED))

BEGIN

DECLARE UPDATED\_CURSOR CURSOR FOR

SELECT I.INV\_NUM, SUM((I.LINE\_QTY\*I.LINE\_PRICE)-(D.LINE\_QTY\*D.LINE\_PRICE)) AS TOTAL

FROM DELETED D INNER JOIN INSERTED I ON D.INV\_NUM=I.INV\_NUM

GROUP BY I.INV\_NUM

OPEN UPDATED\_CURSOR

FETCH NEXT FROM UPDATED\_CURSOR

INTO @INV\_NUM, @TOTAL

WHILE (@@FETCH\_STATUS=0)

BEGIN

UPDATE LGINVOICE

SET INV\_TOTAL= INV\_TOTAL + @TOTAL

WHERE INV\_NUM = @INV\_NUM

FETCH NEXT FROM UPDATED\_CURSOR

INTO @INV\_NUM, @TOTAL

END

CLOSE UPDATED\_CURSOR

DEALLOCATE UPDATED\_CURSOR

END

END

--DECREASE IN QTY

UPDATE LGLINE

SET LINE\_QTY = LINE\_QTY -5

WHERE INV\_NUM=334 AND LINE\_NUM=1

GO

--INCREASE IN QTY

UPDATE LGLINE

SET LINE\_QTY=LINE\_QTY + 7

WHERE INV\_NUM = 334 AND LINE\_NUM=1

GO

--NO CHANGE IN QTY

UPDATE LGLINE

SET LINE\_QTY = LINE QTY