Trigger

CREATE TRIGGER A9

ON LGLINE

AFTER INSERT, DELETE,UPDATE

AS

BEGIN

DECLARE @INV\_NUM INT

DECLARE @TOTAL INT

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

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

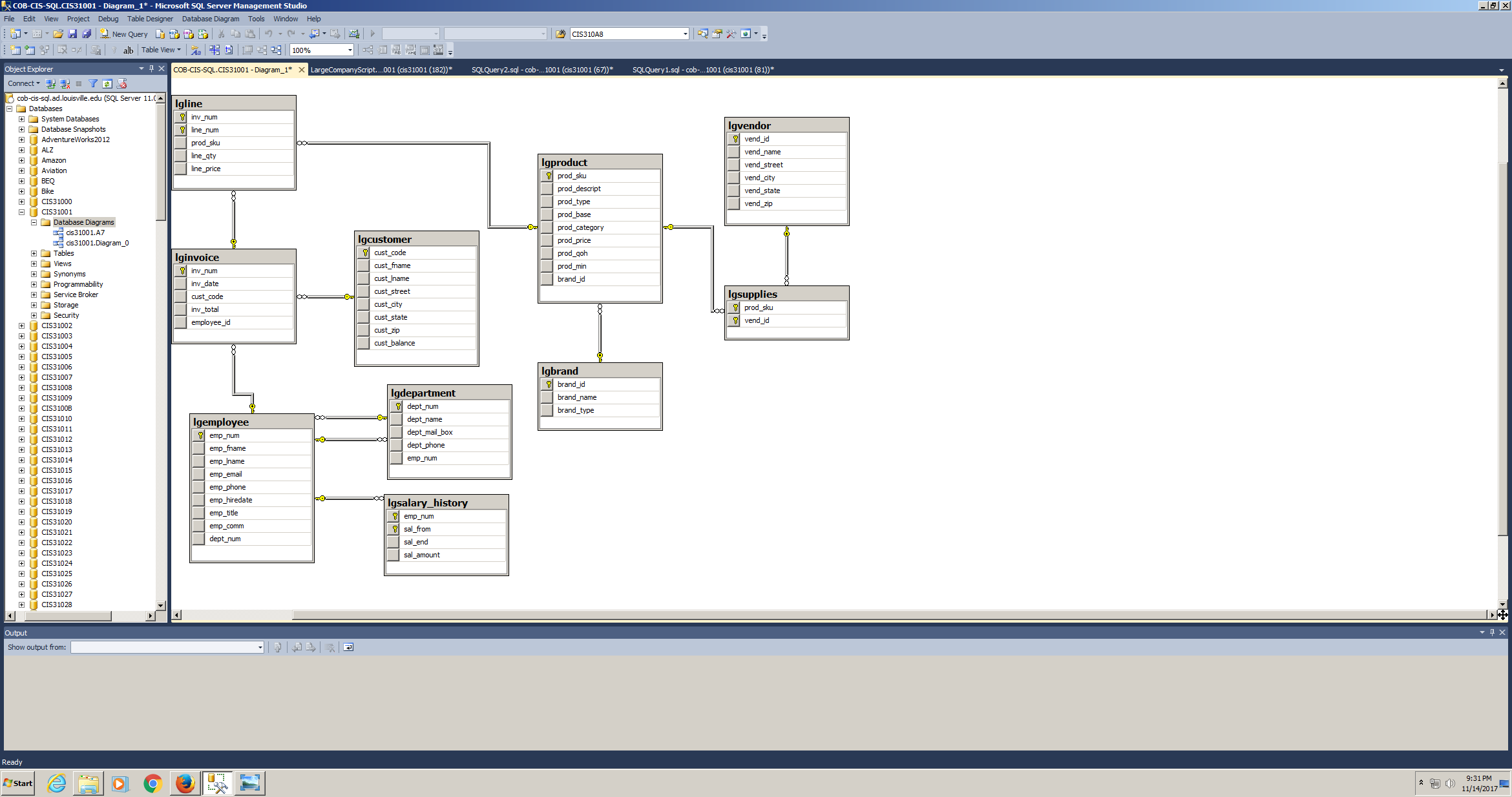
END

CLOSE DELETED\_CURSOR

DEALLOCATE DELETED\_CURSOR

END

END

ERD

Test code

--CHECK CHANGES

SELECT \*

FROM lgline

SELECT \*

FROM lginvoice

--INSERT

INSERT INTO LGLINE VALUES (104, 4, '3561-LYU', 9, 3.29);

--DELETE

DELETE FROM lgline

WHERE line\_num = 4 AND inv\_num=104

--UPDATE

UPDATE LGLINE

SET LINE\_QTY = 4

WHERE line\_num =4 AND inv\_num =104