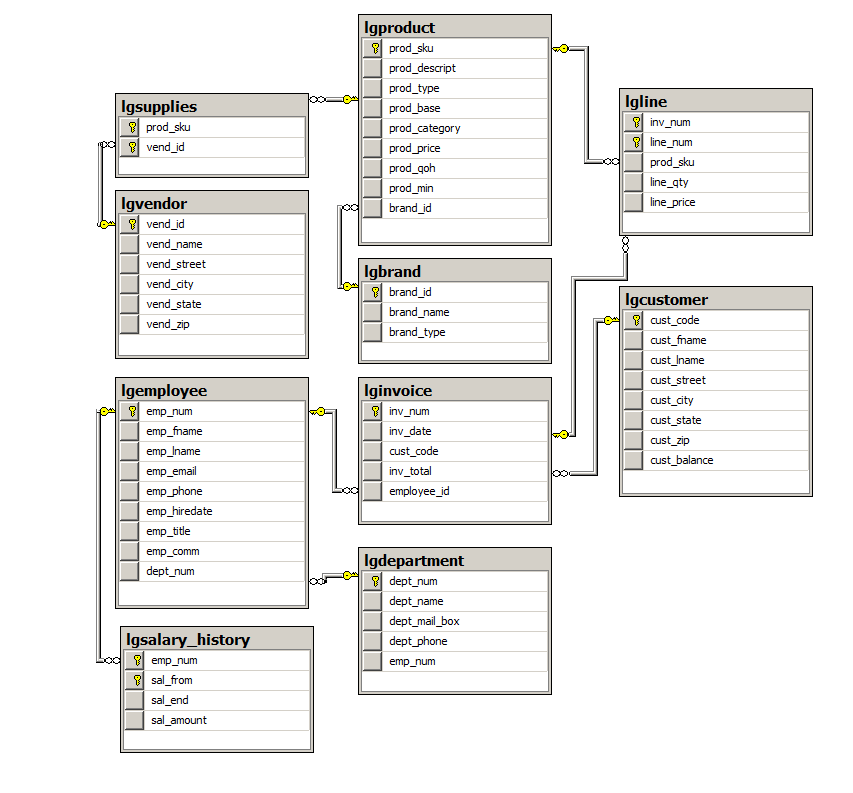
Caleb Hayden

CIS 310-01

Assignment 9

Due 11/15/17



--A9

--Caleb Hayden

--PART 2

CREATE TRIGGER A9

ON LGLINE

AFTER INSERT,DELETE,UPDATE

AS

BEGIN

DECLARE @INV\_NUM CHAR(4)

DECLARE @TOTAL NUMERIC(38)

--INSERT

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

--DELETE

ELSE IF(EXISTS(SELECT \* FROM DELETED) AND NOT EXISTS

(SELECT \* FROM INSERTED))

BEGIN

DECLARE DELETED\_CURSOR CURSOR FOR

SELECT INV\_NUM, SUM(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

ELSE 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

WHILE (@@FETCH\_STATUS = 0)

BEGIN

UPDATE LGINVOICE

SET INV\_TOTAL = INV\_TOTAL + @TOTAL

WHERE INV\_NUM = INV\_NUM

FETCH NEXT UPDATED\_CURSOR INTO @INV\_NUM, @TOTAL

END

CLOSE UPDATED\_CURSOR

DEALLOCATE UPDATED\_CURSOR

END

END

--PART 3

Select \*

From LGINVOICE

Select \*

From LGINVOICE

WHERE INV\_NUM IN (110,111,112,113,114)

--create temp table

Select \* INTO TEMPORARY

FROM LGINVOICE

WHERE INV\_NUM IN (110,111,112,113,114)

--insert

INSERT INTO LGLINE

SELECT \*

FROM TEMPORARY

--delete

DELETE

FROM LGLINE

WHERE INV\_NUM IN (110,111,112,113,114)

--update

UPDATE LGLINE

SET LINE\_QTY = LINE\_QTY + 4

WHERE INV\_NUM IN (110,111,112,113,114)