Due Date: 04/07/2017

Chapter #8

**Assignment Topic 8**

1. *Create a Trigger, for the SaleCo2 database, that will support:*
   * *Upon adding (Inserting) a new invoice into the Invoice table (simply disregard the need to update the Line table with invoice line item information).*
   * *The trigger should automatically Update the Customer in the Customer table by adding the new invoice onto the Customer Balance attribute.*
   * *Clarification:    No hard coding of the inserted invoice amount in the trigger.  The SQL should access the inserted amount in the Invoice table and add it to the customer balance attribute in the Customer table.*

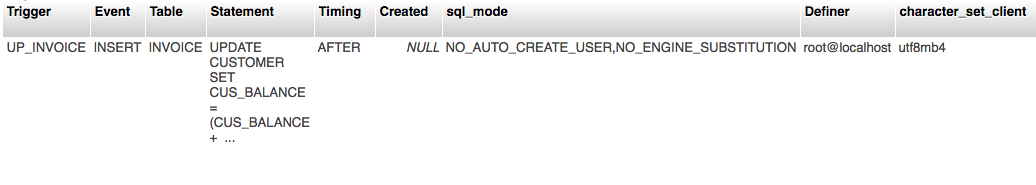
* *HINT:  may be done in one SQL query with sub-queries,  OR  using separate queries and maybe a variable.*

CREATE TRIGGER UP\_INVOICE AFTER INSERT ON INVOICE

FOR EACH ROW

UPDATE CUSTOMER SET CUS\_BALANCE = (CUS\_BALANCE + NEW.INV\_TOTAL)

WHERE CUSTOMER.CUS\_CODE = NEW.CUS\_CODE;



1. *Create a Stored Procedure, for the SaleCo2 database, that will:*

* *Delete a Customer from the Customer table by accepting the Cust\_Code as a procedure parameter when you CALL the procedure to be executed in the SQL window/tab within PhP MySQL.*

CREATE PROCEDURE DEL\_CUSTOMER( CUS\_ID INT)

BEGIN

DELETE FROM LINE WHERE INV\_NUM IN ( SELECT INV\_NUM FROM INVOICE WHERE CUS\_CODE = CUS\_ID );

DELETE FROM INVOICE WHERE CUS\_CODE = CUS\_ID;

DELETE FROM CUSTOMER WHERE CUS\_CODE = CUS\_ID;

END



* *Delete all associated rows for this Customer in the tables  Invoice and Line.*

CREATE PROCEDURE DEL\_ASSOC\_ROW()

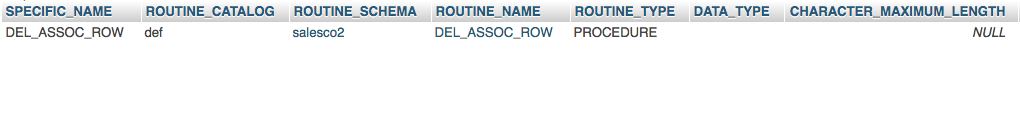
BEGIN

DELETE FROM CUSTOMER WHERE CUS\_CODE = cust\_code;

DELETE FROM INVOICE WHERE INVOICE.CUS\_CODE = cust\_code;

DELETE FROM LINE WHERE INV\_NUMBER = invoice.INV\_NUMBER AND invoice.CUS\_CODE=cust\_code;

END



/\*SELECT routine\_definition

FROM information\_schema.routines

WHERE

routine\_name = 'del\_customer' AND routine\_schema = 'SalesCo2';

\*/

//DROP PROCEDURE IF EXISTS procedureName;

//SHOW TRIGGERS