Topic 8 / Chapter 8

Database Management & CIS 1246

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| Author: | Christopher Sigouin |
| Date: | April 12 |
| Date Due: | April 13 |
| Assignment: | Topic 8 |
|  | Task: 1 |
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| Mark: \_\_\_\_\_\_\_\_\_\_\_\_ | |

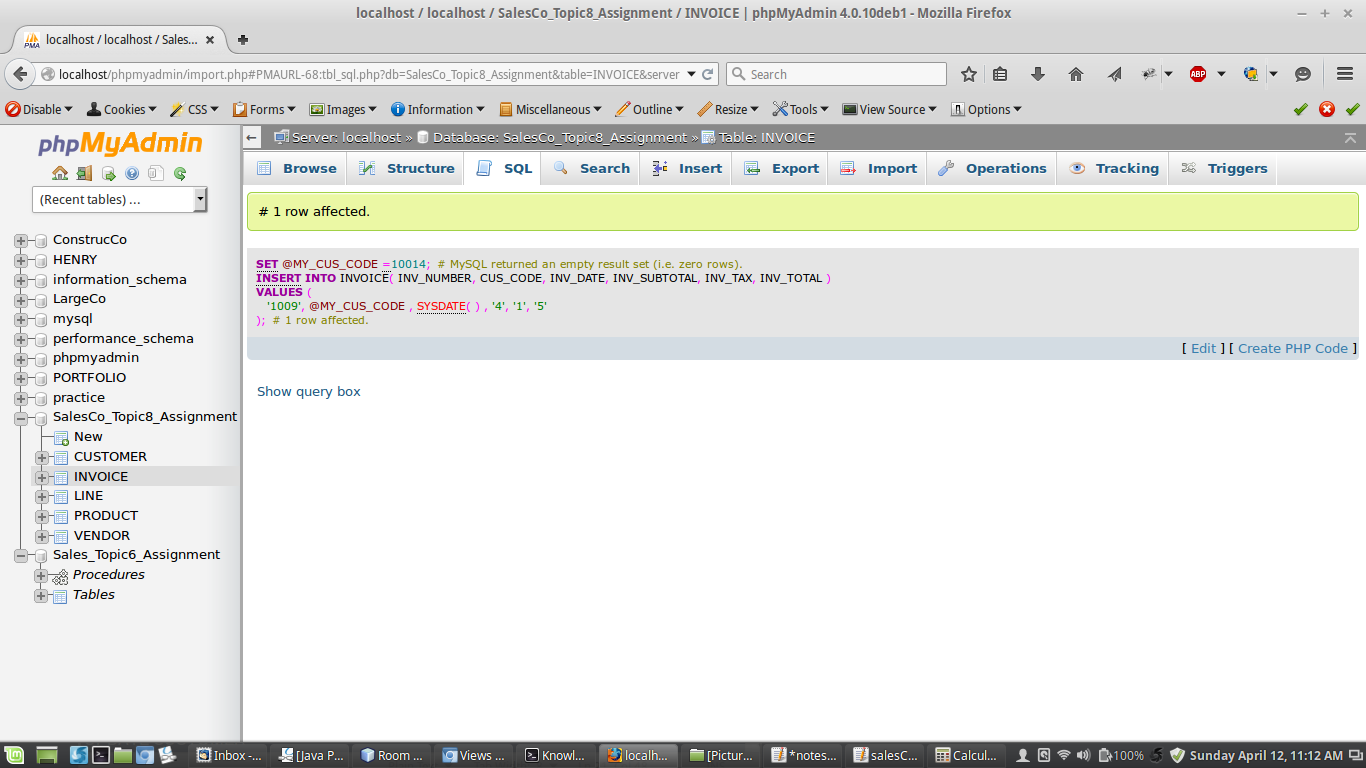
**Chapter 8 / Part #5 and #6**

**#5 Create a Trigger, for the SaleCo2 database, that will support:**

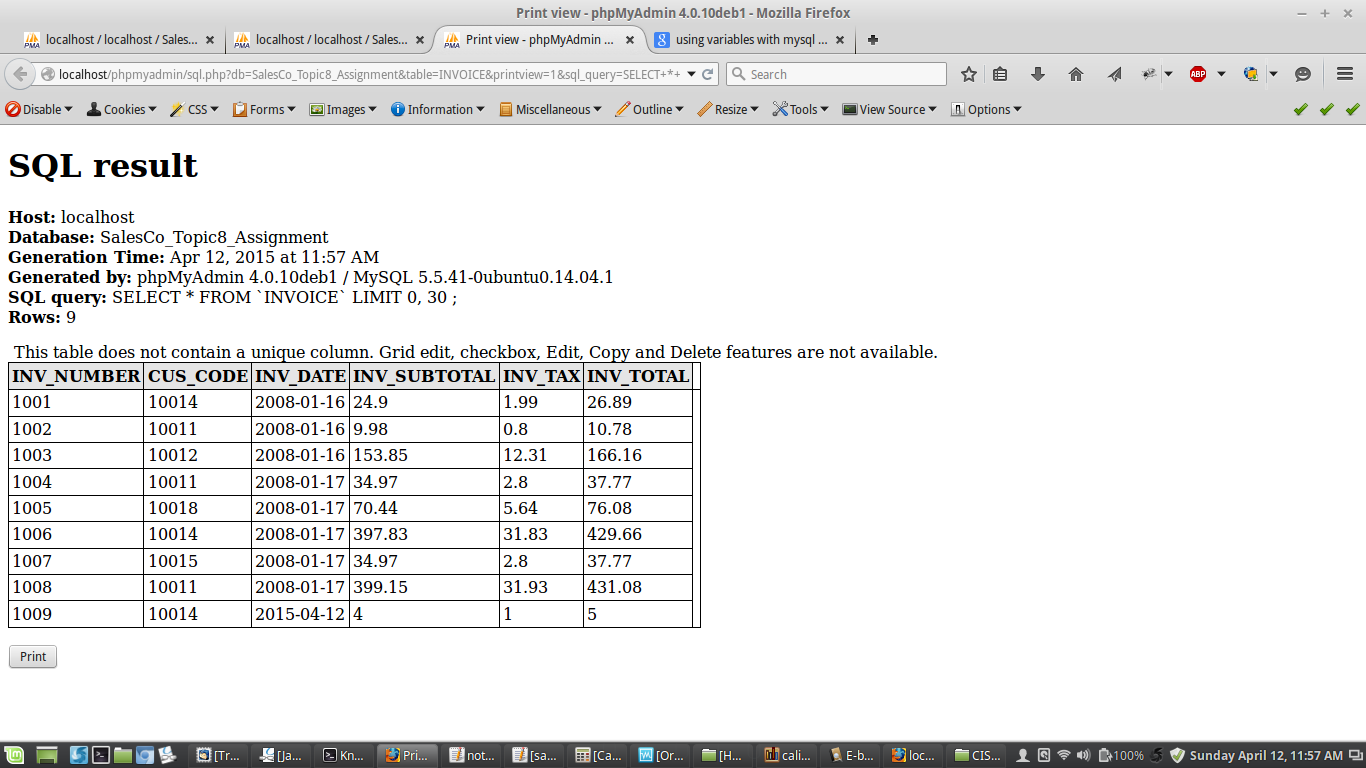
1. **Upon adding (Inserting) a new invoice into the Invoice table (simply disregard the need to update the Line table with invoice line item information).**

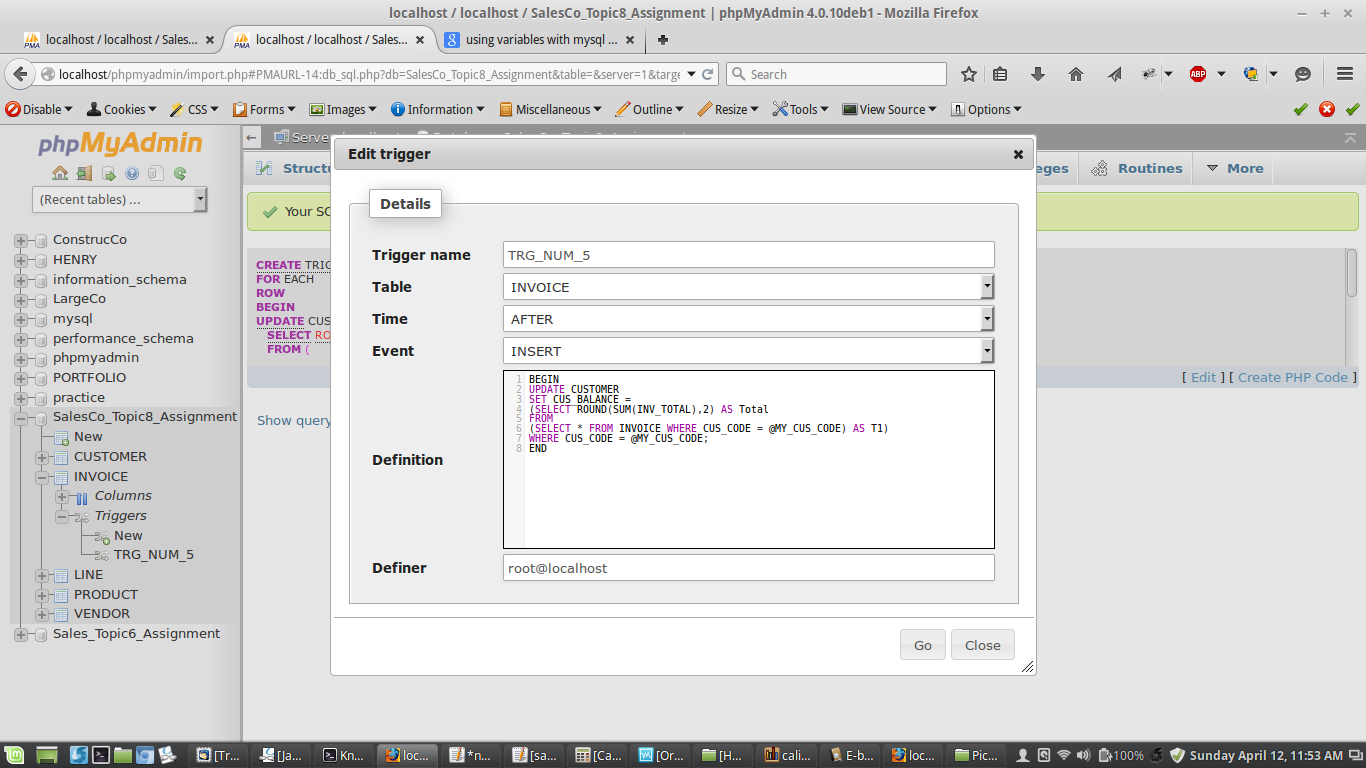
**SEE BELOW…**

**INSERT SQL COMMANDS**

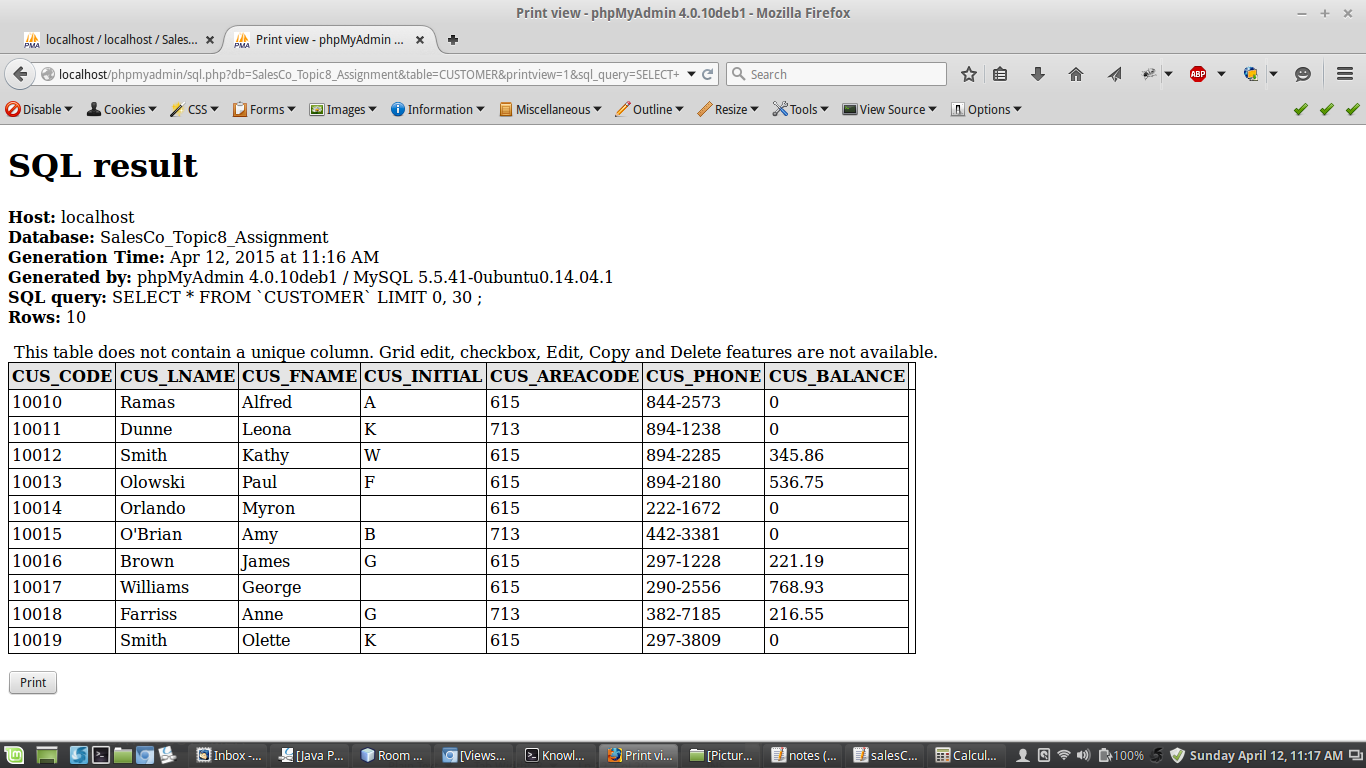
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**INVOICE PRINT VIEW AFTER INSERT**

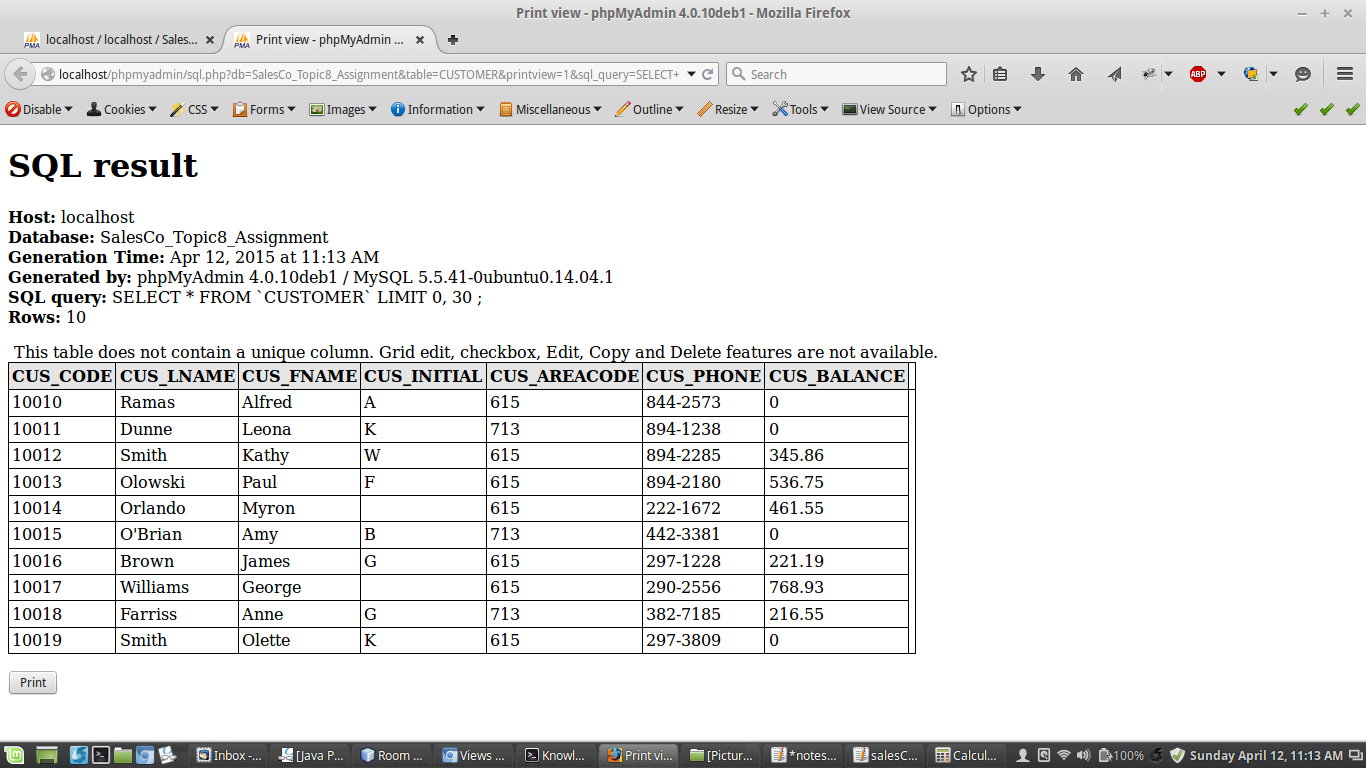
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**THE TRIGGER CREATED**

**CUSTOMER TABLE BEFORE TRIGGER OCCURS**

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**CUSTOMER TABLE AFTER TRIGGER OCCURS**

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**SYNTAX USED FOR PART 5**

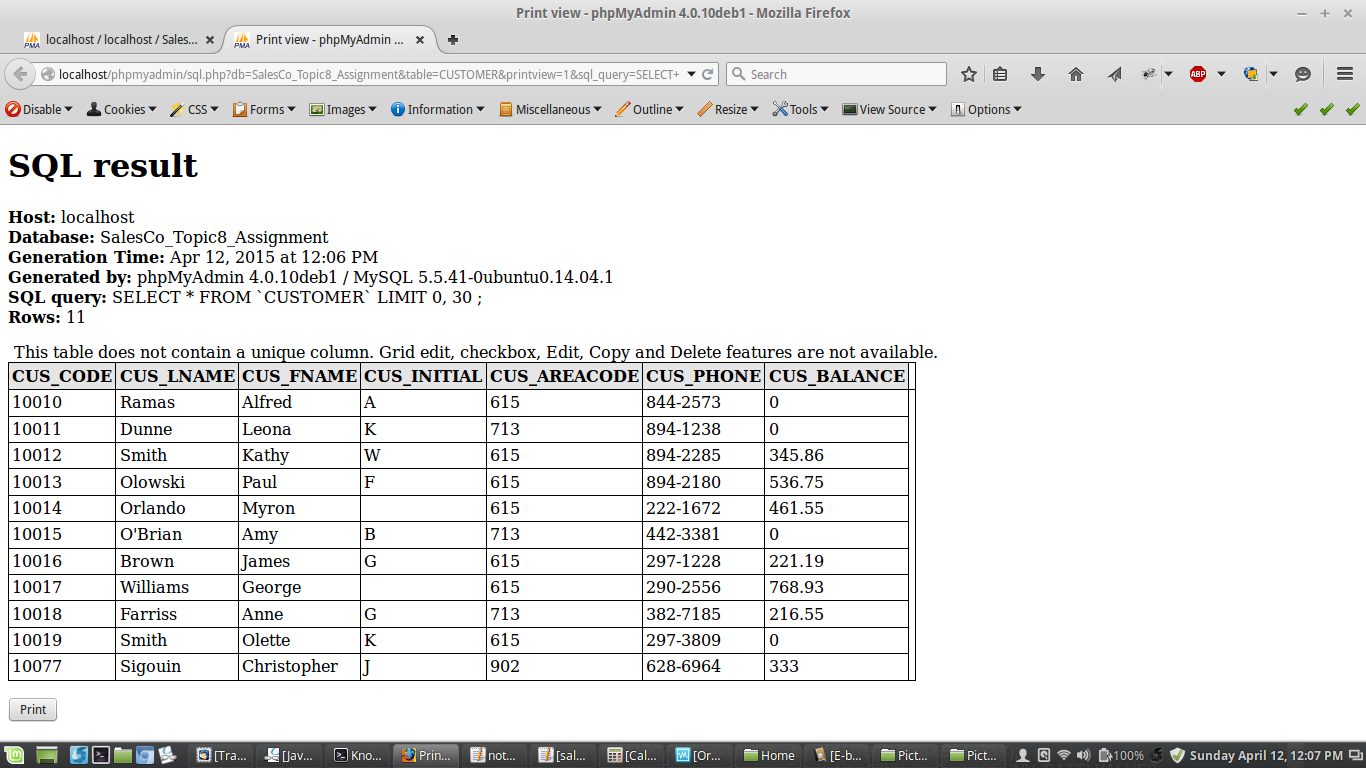
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| --- |
| -- Insert SQL to trigger with variable for customer code  SET @MY\_CUS\_CODE = 10014;  INSERT INTO INVOICE(INV\_NUMBER, CUS\_CODE, INV\_DATE, INV\_SUBTOTAL, INV\_TAX, INV\_TOTAL) VALUES  ('1009',@MY\_CUS\_CODE,SYSDATE(), '4', '1', '5');  -- Sets the trigger to update the customer balance based on customer code  CREATE TRIGGER TRG\_NUM\_5 AFTER INSERT ON INVOICE  FOR EACH ROW  BEGIN  UPDATE CUSTOMER  SET CUS\_BALANCE =  (SELECT ROUND(SUM(INV\_TOTAL),2) AS Total  FROM  (SELECT \* FROM INVOICE WHERE CUS\_CODE = @MY\_CUS\_CODE) AS T1)  WHERE CUS\_CODE = @MY\_CUS\_CODE;  END;  /  -- According to the original invoice amounts and the new inserted invoice amount  26.89 + 429.66 + 5 = 461.55 |

**#6 Create a Stored Procedure, for the SaleCo2 database, that will:**

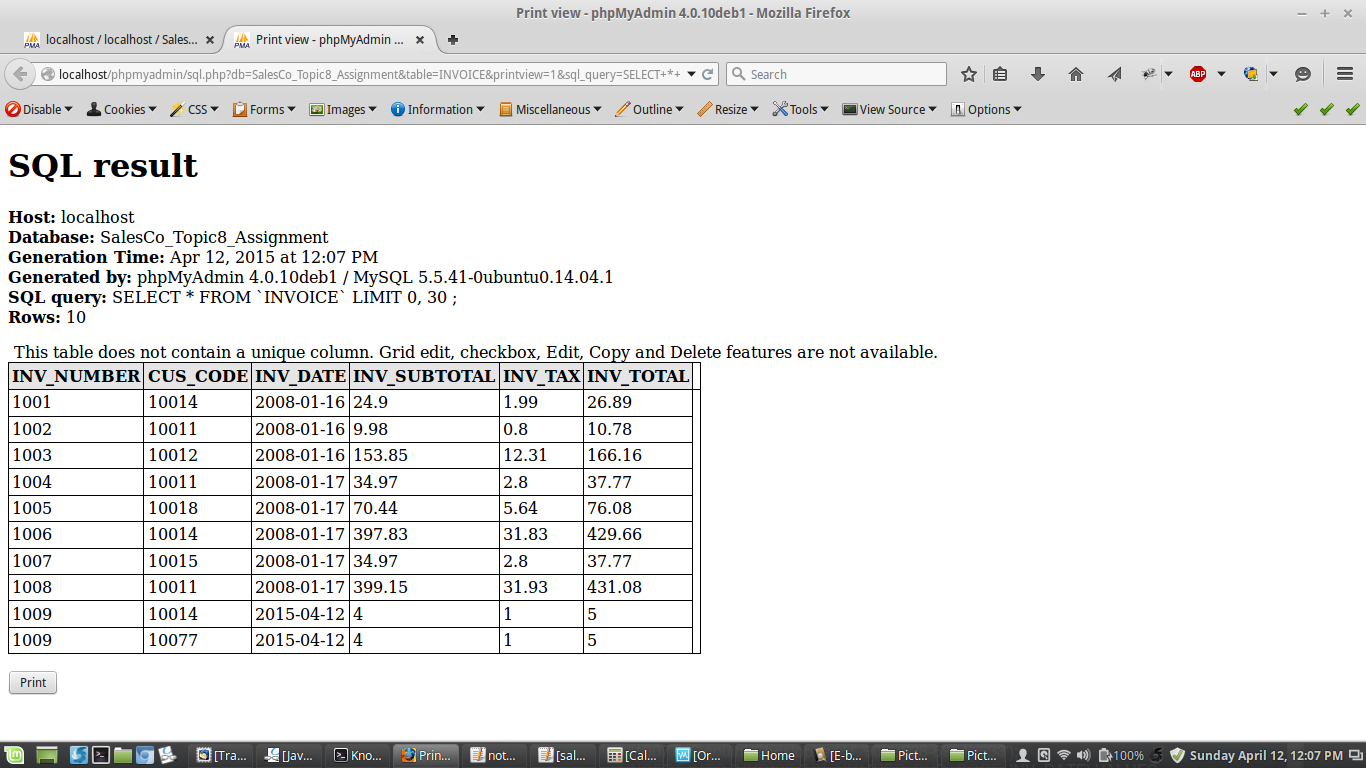
1. **Delete a Customer from the Customer table by accepting the Cust\_Code as a procedure parameter when you CALL the procedure to be executed in the SQL window/tab within PhP MySQL..**
2. **Delete all associated rows for this Customer in the tables  Invoice and Line.**

**SEE BELOW…**

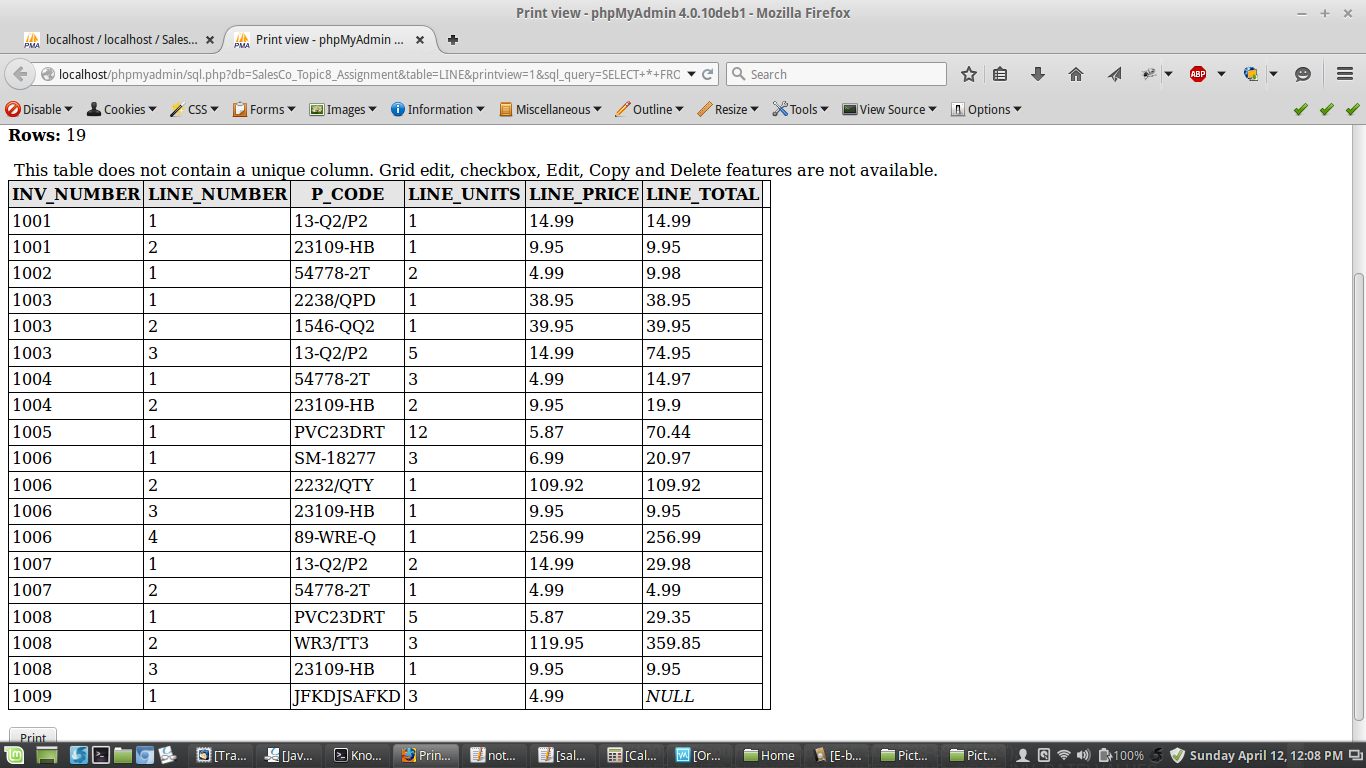
**CUSTOMER TABLE AFTER INSERT TO TEST PROCEDURE**

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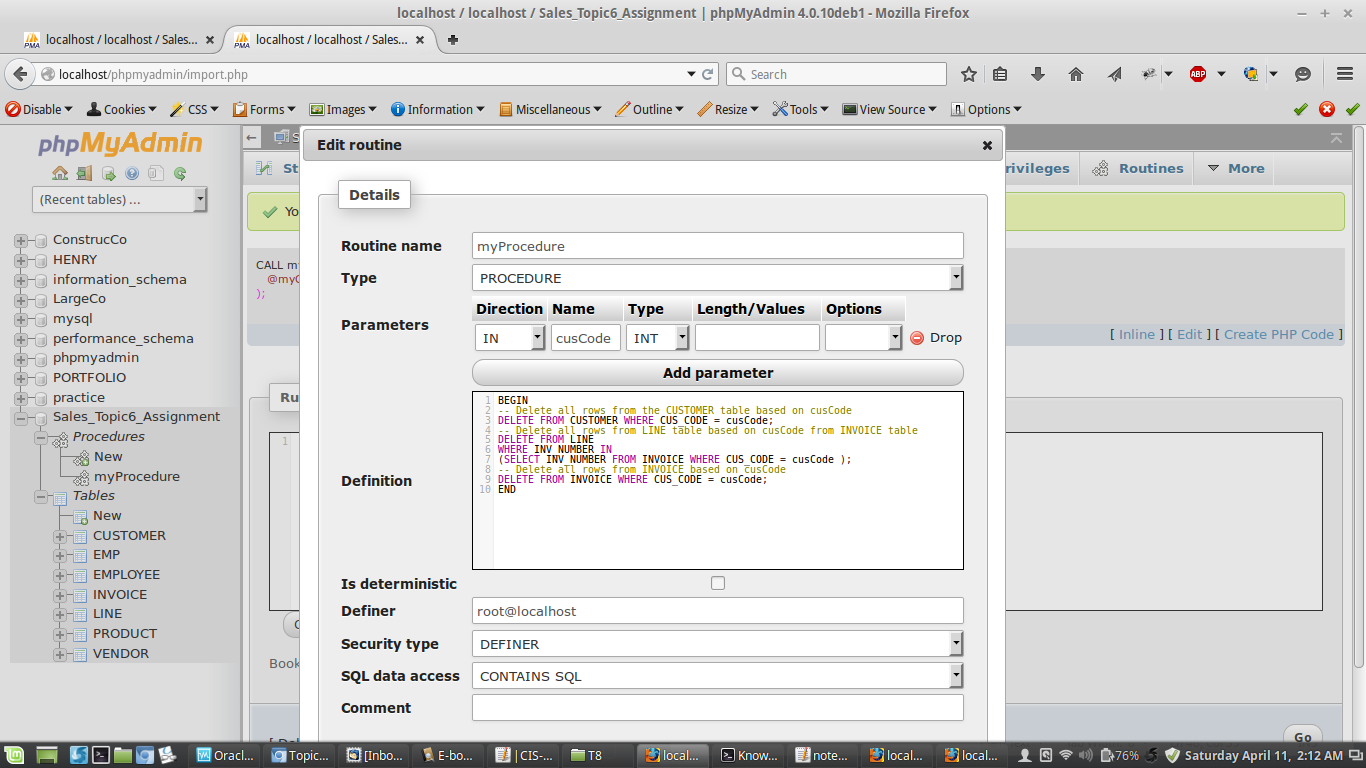
**INVOICE TABLE AFTER INSERT….**

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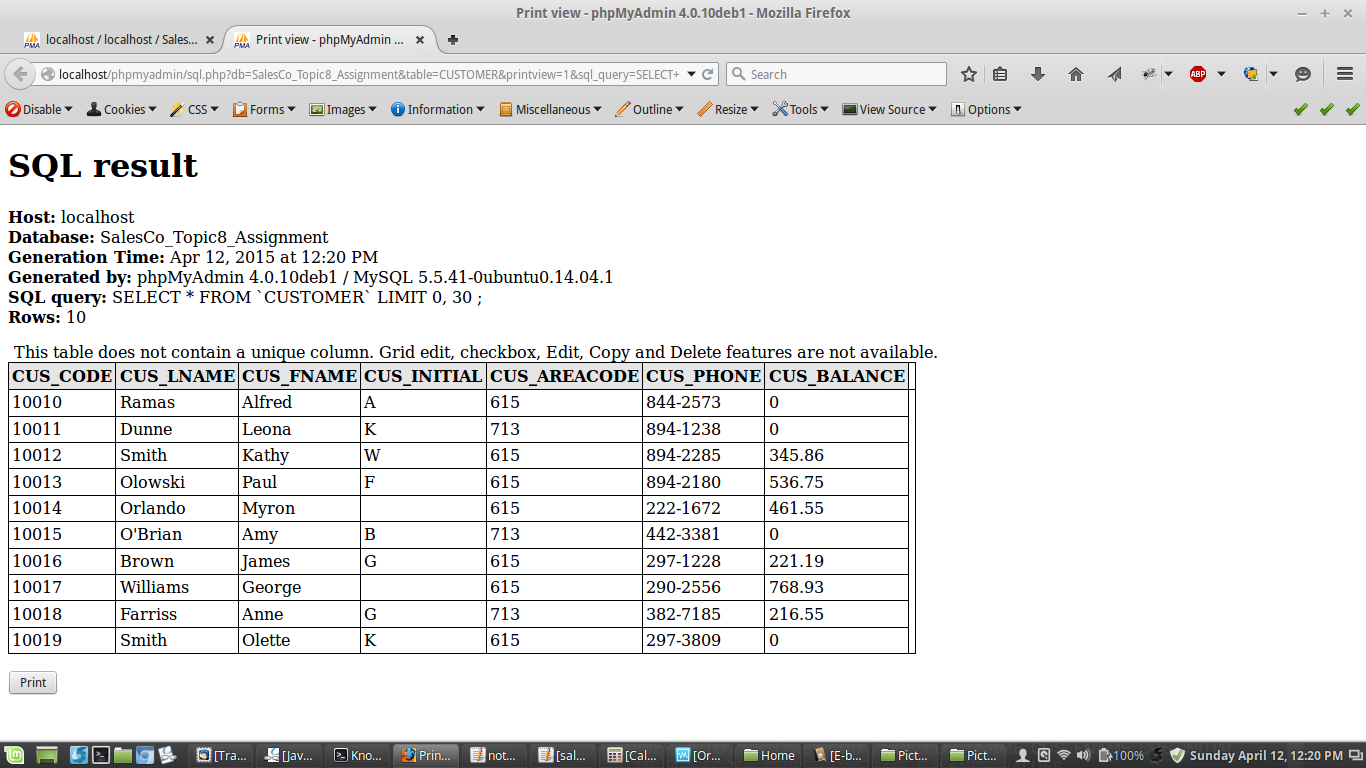
**LINE TABLE AFTER INSERT…**

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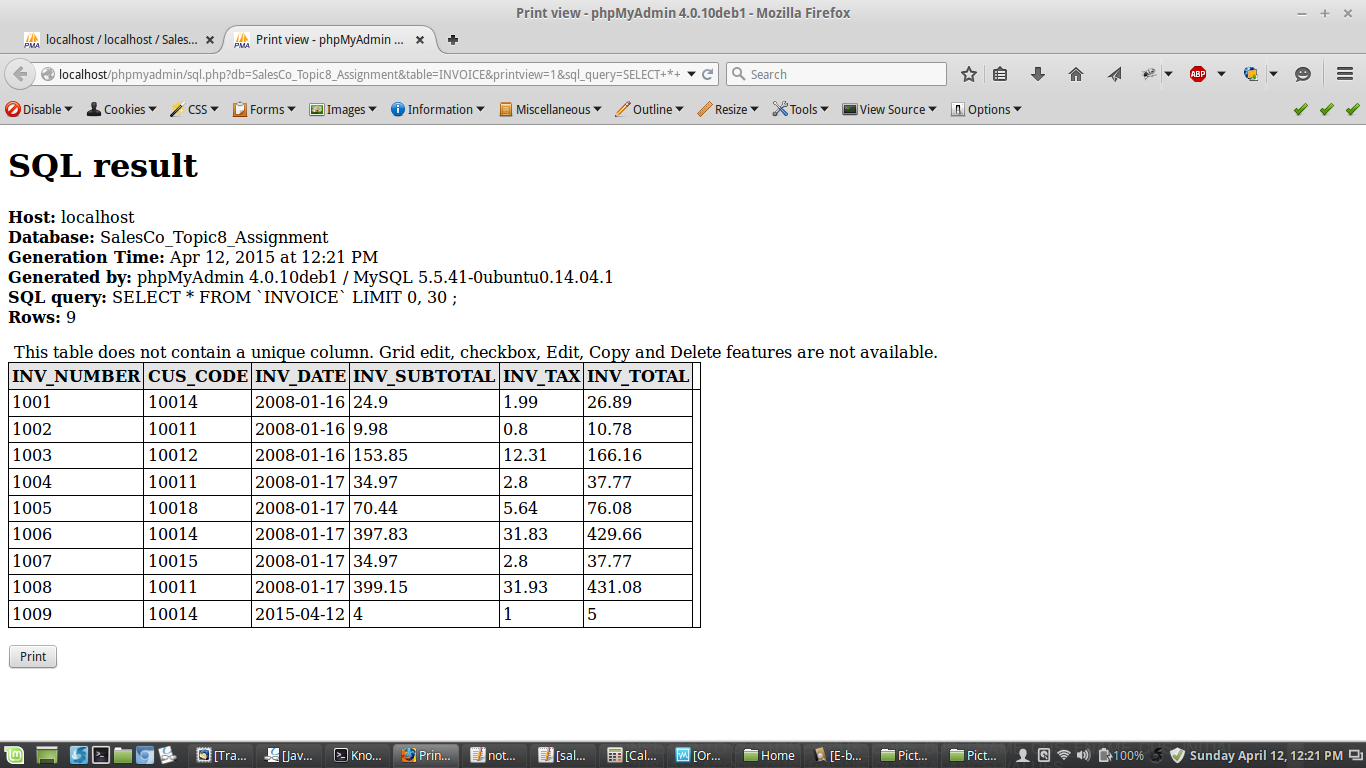
**PROCEDURE CREATED**

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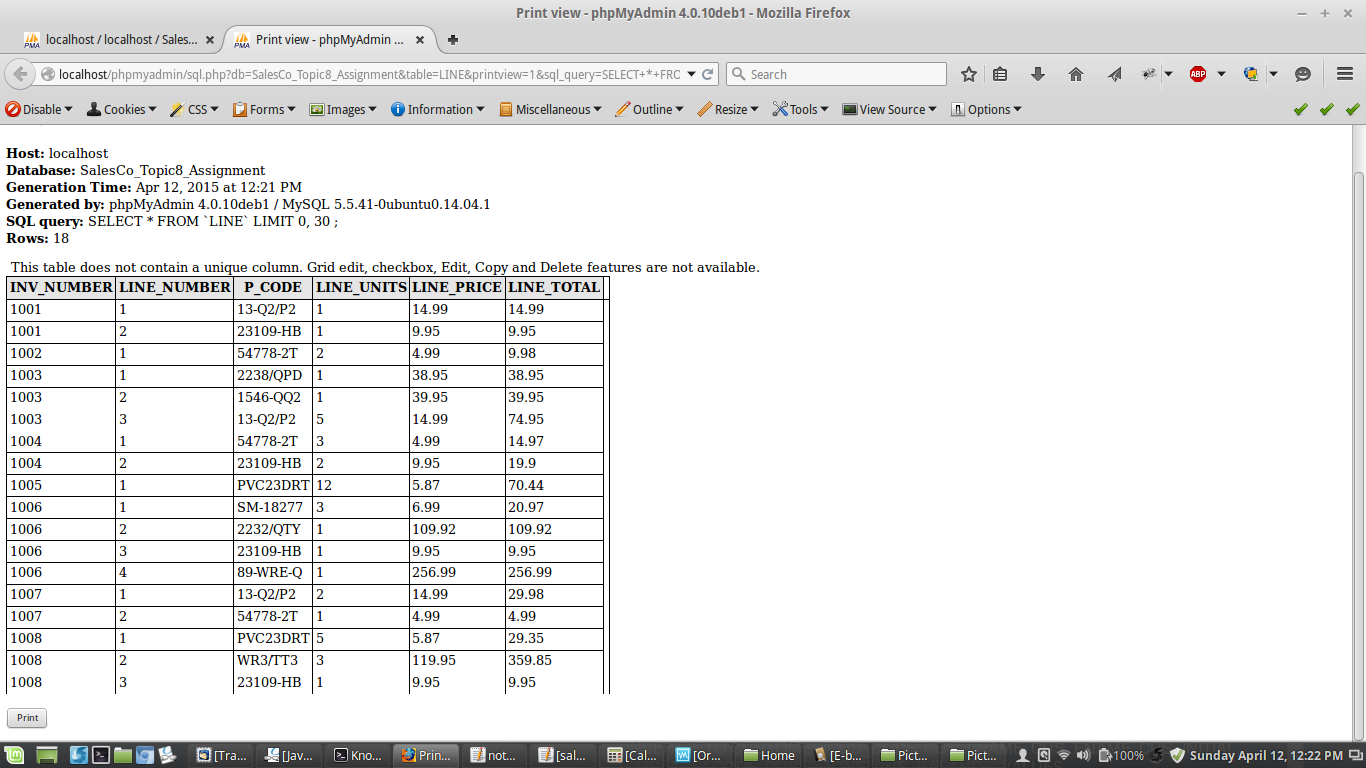
**CUSTOMER TABLE AFTER PROCEDURE CALL**

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**INVOICE TABLE AFTER PROCEDURE CALL….**

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**LINE TABLE AFTER PROCEDURE CALL…**

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**SYNTAX USED FOR PART 6**

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| -- Creates the stored procedure  CREATE PROCEDURE myProcedure (IN cusCode INT)  BEGIN  -- Delete all rows from the CUSTOMER table based on cusCode  DELETE FROM CUSTOMER WHERE CUS\_CODE = cusCode;  -- Delete all rows from LINE table based on cusCode from INVOICE table  DELETE FROM LINE  WHERE INV\_NUMBER IN  (SELECT INV\_NUMBER FROM INVOICE WHERE CUS\_CODE = cusCode );  -- Delete all rows from INVOICE based on cusCode  DELETE FROM INVOICE WHERE CUS\_CODE = cusCode;  END;  /  -- Run inserts to create a customer for deletion by the procedure with code 10077  INSERT INTO CUSTOMER(CUS\_CODE, CUS\_LNAME, CUS\_FNAME, CUS\_INITIAL,  CUS\_AREACODE, CUS\_PHONE, CUS\_BALANCE) VALUES  ('10077','Sigouin','Christopher','J','902','628-6964','333');  INSERT INTO INVOICE(INV\_NUMBER, CUS\_CODE, INV\_DATE, INV\_SUBTOTAL, INV\_TAX, INV\_TOTAL) VALUES  ('1009',10077, SYSDATE(), '4', '1', '5');  INSERT INTO LINE(INV\_NUMBER, LINE\_NUMBER, P\_CODE, LINE\_UNITS, LINE\_PRICE) VALUES  ('1009','1','JFKDJSAFKDA','3','4.99');  -- Run the procedure to delete the inserts that were executed  CALL myProcedure(10077); |