Joey Muzzo

Braxton Snyder

Course project Week 7

Task 3 and lessons learned

CIS-336

12/7/18

UPDATE

For my update requirement I chose to update the hourly billing rate for technician 05 and to update the price of all invoice totals to $250. Technician 05 received a raise and the price of all work increased slightly raising the price of each invoice total to $250.

UPDATE QUERY

UPDATE TECHNICIAN T, INVOICE I

SET T.HOURLY\_BILLING\_RATE = 15, I.INVOICE\_TOTAL = 250

WHERE T.TECHNICIAN\_ID IN

(SELECT TID

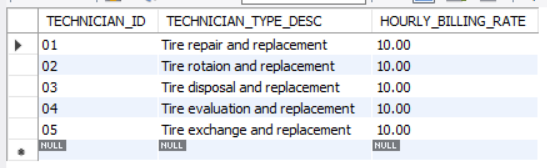
FROM

(SELECT TECHNICIAN\_ID AS TID

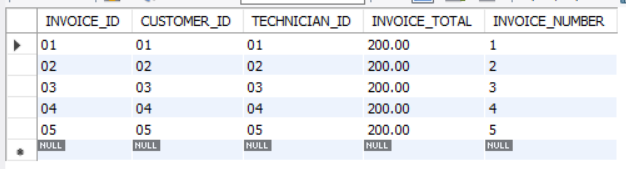
FROM INVOICE I

WHERE I.TECHNICIAN\_ID = 05 ) AS C);

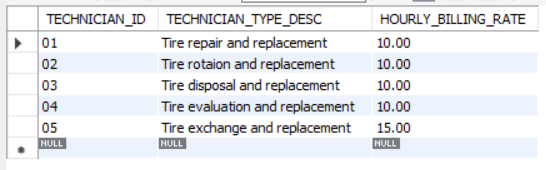
OLD TECHNICIAN TABLE



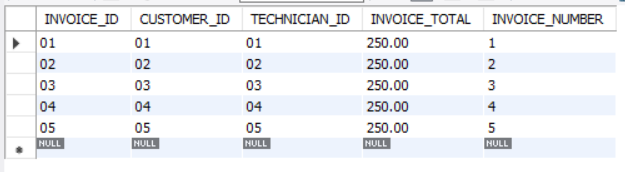
OLD INVOICE TABLE



UPDATED TECHNICIAN TABLE RESULTS



UPDATED INVOICE TABLE RESULTS



OR 2ND POSSIBLE UPDATE

I wasn’t totally sure how to interpret the first task, so I made a 2nd possible update. For this update I chose to update the hourly billing rate for technician 05. The business requirements for this update are that technician 05 received a promotion and his hourly billing rate increased.

2ND UPDATE QUERY

UPDATE TECHNICIAN

SET HOURLY\_BILLING\_RATE = 15

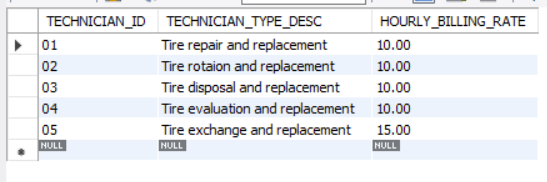
WHERE TECHNICIAN\_ID =

(SELECT TECHNICIAN\_ID

FROM INVOICE

WHERE TECHNICIAN\_ID = 05);

2ND UPDATE RESULTS



REPORT 1

For my first report I chose to make a customer view which shows all the customers for my business. The business requirement for this report is to provide information about the customers of the business. The report provides the customer id, the customers first and last name as one field named customer, the customers address, city, phone number, and customer number.

REPORT 1 QUERY

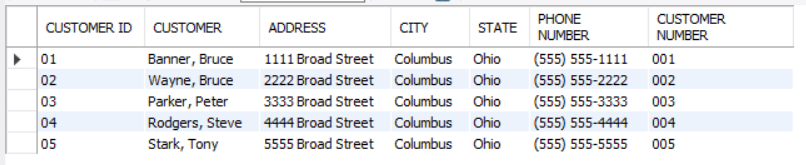
CREATE OR REPLACE VIEW CUSTOMER\_NEW AS

SELECT CUSTOMER\_ID AS "CUSTOMER ID", CONCAT(last\_name,', ',first\_name) AS Customer, ADDRESS, CITY, STATE, PHONE\_NUMBER AS "PHONE NUMBER", CUSTOMER\_NUMBER AS "CUSTOMER NUMBER"

FROM CUSTOMER;

SELECT \* FROM CUSTOMER\_NEW;

REPORT 1 RESULTS



REPORT 2 USING A JOIN

For my second report, I chose to create a customer invoice report which shows a summary of every customer and their invoice total. The business requirement for this report is to show the invoice total for each customer in one table. This helps to track the customers and the total they owe. This report provides the customer id, the customers first and last name as one field named customer, the customer number, the invoice id, invoice total, and invoice table in one view.

REPORT 2 QUERY

CREATE OR REPLACE VIEW CUSTOMER\_INVOICES AS

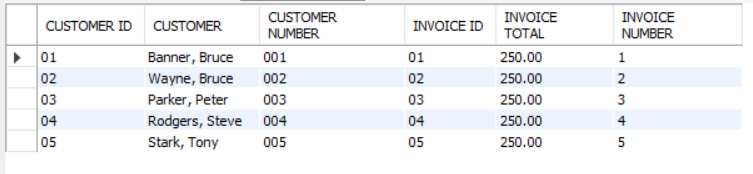
SELECT C.CUSTOMER\_ID AS "CUSTOMER ID", CONCAT(C.last\_name,', ',C.first\_name) AS CUSTOMER, C.CUSTOMER\_NUMBER AS "CUSTOMER NUMBER", I.INVOICE\_ID AS "INVOICE ID", I.INVOICE\_TOTAL AS "INVOICE TOTAL", I.INVOICE\_NUMBER AS "INVOICE NUMBER"

FROM CUSTOMER C JOIN INVOICE I ON

C.CUSTOMER\_ID = I.CUSTOMER\_ID;

SELECT \* FROM CUSTOMER\_INVOICES;

REPORT 2 RESULTS



REPORT 3 \_USING A SUBQUERY

For this report I chose to create a customer invoices 1 report that shows the customer id, the customer’s first and last name combined into one field, the customers state and city combined into one field, and the customers phone number. The business requirement for this report is to show customers identifying information in one table without duplicates. This helps to track the customers of the business.

REPORT 3 QUERY

CREATE OR REPLACE VIEW CUSTOMER\_INVOICES1 AS

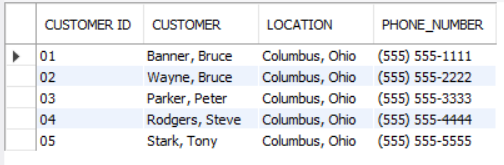
SELECT C.CUSTOMER\_ID AS "CUSTOMER ID", CONCAT(C.last\_name,', ',C.first\_name) AS CUSTOMER, CONCAT(C.CITY, ', ',C.STATE) AS LOCATION, C.PHONE\_NUMBER

FROM CUSTOMER C

WHERE CUSTOMER\_ID IN (SELECT distinct CUSTOMER\_ID FROM INVOICE);

SELECT \* FROM CUSTOMER\_INVOICES1;

REPORT 3 RESULTS



REPORT 4 USING AN AGGREGATE FUNCTION

For this report I chose to create an invoice sum report that shows the sum of all the invoice totals for the business. The business requirement for this report is show the calculated sum of all the invoice totals for the business. This is helpful for calculating the total earned by the business for its services. This report provides the calculated sum of all the invoice totals for the business.

REPORT 4 QUERY

CREATE OR REPLACE VIEW INVOICE\_SUM AS

SELECT SUM(INVOICE\_TOTAL) AS "INVOICE SUM"

FROM INVOICE

WHERE INVOICE\_ID >= 1

ORDER BY INVOICE\_ID;

SELECT \* FROM INVOICE\_SUM;

REPORT 4 RESULTS

