LESLIE DAWSON

CIS 310-01

DATABASE DESIGN

ASSIGNMENT 8

DUE 3/30/2011

-- =============================================

-- Author: <LESLIE DAWSON>

-- Create date: <MARCH 28, 2011>

-- Description: <A8 STORED PROCEDURE>

-- =============================================

ALTER PROCEDURE UPDATEDCUSTBAL

-- Add the parameters for the stored procedure here

AS

BEGIN

-- Insert statements for procedure here

BEGIN

DECLARE @CUS\_CODE VARCHAR(5)

DECLARE @CUS\_BALANCE MONEY

DECLARE A8\_CURSOR CURSOR FOR

SELECT C.CUS\_CODE, SUM(CH.CHAR\_DISTANCE \* M.MOD\_CHG\_MILE) AS [CUSTOMER BALANCE]

FROM CUSTOMER C INNER JOIN CHARTER CH ON C.CUS\_CODE = CH.CUS\_CODE

INNER JOIN AIRCRAFT A ON CH.AC\_NUMBER = A.AC\_NUMBER

INNER JOIN MODEL M ON A.MOD\_CODE = M.MOD\_CODE

GROUP BY C.CUS\_CODE

OPEN A8\_CURSOR

FETCH NEXT FROM A8\_CURSOR INTO @CUS\_CODE, @CUS\_BALANCE

WHILE(@@FETCH\_STATUS = 0)

BEGIN

UPDATE CUSTOMER

SET CUS\_BALANCE = @CUS\_BALANCE

WHERE CUS\_CODE = @CUS\_CODE

FETCH NEXT FROM A8\_CURSOR INTO @CUS\_CODE, @CUS\_BALANCE

END

CLOSE A8\_CURSOR

DEALLOCATE A8\_CURSOR

END

BEGIN

SELECT CUS\_CODE, CUS\_BALANCE AS [CUSTOMER BALANCE]

FROM CUSTOMER

END

END

EXEC UPDATEDCUSTBAL

-- =============================================

-- Author: <LESLIE DAWSON>

-- Create date: <3/29/2011>

-- Description: <A8 TRIGGER>

-- =============================================

ALTER TRIGGER A8

ON CHARTER

AFTER INSERT,DELETE,UPDATE

AS

BEGIN

-- SET NOCOUNT ON added to prevent extra result sets from

-- interfering with SELECT statements.

SET NOCOUNT ON;

-- Insert statements for trigger here

DECLARE @DIST\_CHANGE DEC

DECLARE @CHAR\_TRIP VARCHAR(5)

IF(EXISTS (SELECT \* FROM INSERTED) AND

EXISTS (SELECT \* FROM DELETED))

BEGIN

SELECT @CHAR\_TRIP = I.CHAR\_TRIP, @DIST\_CHANGE = (I.CHAR\_DISTANCE-D.CHAR\_DISTANCE)

FROM INSERTED I INNER JOIN DELETED D ON I.CHAR\_TRIP = D.CHAR\_TRIP

UPDATE CHARTER

SET CHAR\_DISTANCE = @DIST\_CHANGE

WHERE CHAR\_TRIP = @CHAR\_TRIP

END

IF(EXISTS (SELECT \* FROM INSERTED) AND

NOT EXISTS (SELECT \* FROM DELETED))

BEGIN

SELECT @CHAR\_TRIP = I.CHAR\_TRIP, @DIST\_CHANGE = I.CHAR\_DISTANCE

FROM INSERTED I INNER JOIN DELETED D ON I.CHAR\_TRIP = D.CHAR\_TRIP

UPDATE CHARTER

SET CHAR\_DISTANCE = @DIST\_CHANGE

WHERE CHAR\_TRIP = @CHAR\_TRIP

END

IF(NOT EXISTS (SELECT \* FROM INSERTED) AND

EXISTS (SELECT \* FROM DELETED))

BEGIN

SELECT 'DELETION'

END

SELECT 'INSERTED TABLE CONTENT'

SELECT \*

FROM INSERTED

SELECT 'DELETED TABLE CONTENT'

SELECT \*

FROM DELETED

END