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1  -- CIS310-02
2  -- Turner Barnett
3  -- Assignment 9
4  -- Due Date: November 15, before 11am
5  -- Late Submission Date: November 17 6pm
6
7  -- PART 2
8  CREATE TRIGGER A9
9      ON LGLINE
10     AFTER INSERT, DELETE, UPDATE
11 AS
12 BEGIN
13     DECLARE @INV_NUM INT
14     DECLARE @INV_TOTAL INT
15
16     -- INSERT
17     IF (EXISTS (SELECT * FROM INSERTED) AND
18         NOT EXISTS ( SELECT * FROM DELETED))
19     BEGIN
20         DECLARE INSERT_CURSOR CURSOR FOR
21         SELECT INV_NUM, SUM(line_qty * line_price) AS TOTAL
22         FROM INSERTED
23         GROUP BY INV_NUM
24
25         OPEN      INSERT_CURSOR
26         FETCH NEXT FROM INSERT_CURSOR INTO @INV_NUM, @INV_TOTAL
27         WHILE (@@FETCH_STATUS = 0)
28         BEGIN
29             UPDATE lginvoice
30             SET      @INV_TOTAL = LINE_PRICE * LINE_QTY
31             WHERE INV_NUM = @INV_NUM
32             FETCH NEXT FROM INSERT_CURSOR INTO @INV_NUM, @INV_TOTAL
33         END
34         CLOSE INSERT_CURSOR
35         DEALLOCATE INSERT_CURSOR
36     END
37     -- DELETE
38     IF (EXISTS (SELECT * FROM DELETED) AND
39         NOT EXISTS (SELECT * FROM INSERTED))
40     BEGIN
41         DECLARE      DELETE_CURSOR CURSOR FOR
42         SELECT INV_NUM, SUM(line_qty * line_price) AS TOTAL
43         FROM DELETED
44         GROUP BY INV_NUM
45
46         OPEN      DELETE_CURSOR
47         FETCH NEXT FROM DELETED_CURSOR INTO @INV_NUM, @INV_TOTAL
48         WHILE (@@FETCH_STATUS = 0)
49         BEGIN
50             UPDATE lginvoice
51             SET      @INV_TOTAL = LINE_PRICE * LINE_QTY
52             WHERE      INV_TOTAL = @INV_TOTAL
53             FETCH NEXT FROM DELETE_CURSOR INTO @INV_NUM, @INV_TOTAL
54         END
55         CLOSE DELETE_CURSOR
56         DEALLOCATE DELETE_CURSOR
57     END
58
59     -- UPDATE
60     IF (EXISTS (SELECT * FROM DELETED) AND
61         NOT EXISTS (SELECT * FROM INSERTED))
62     BEGIN
63         DECLARE CURSOR_UPDATE CURSOR FOR
64         SELECT I.INV_NUM, INV_TOTAL AS TOTAL
65         FROM INSERTED I INNER JOIN DELETED D ON I.inv_num = D.inv_num
66         GROUP BY I.inv_num
67
68         OPEN CURSOR_UPDATE
69         FETCH NEXT FROM CURSOR_UPDATE INTO @INV_NUM, @INV_TOTAL

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70         WHILE (@@FETCH_STATUS = 0)
71         BEGIN
72             UPDATE lginvoice
73             SET @INV_TOTAL = LINE_PRICE * LINE_QTY
74             WHERE INV_TOTAL = @INV_TOTAL
75             FETCH NEXT FROM CURSOR_UPDATE INTO @INV_NUM, @INV_TOTAL
76         END
77     CLOSE CURSOR_UPDATE
78     DEALLOCATE CURSOR_UPDATE
79 END
80 GO
81
82 --PART 3
83
84 SELECT *
85 FROM LGLINE
86 ORDER BY inv_num
87
88 --INSERT
89 INSERT INTO LGLINE (inv_num, line_num, prod_sku, line_qty, line_price)
90 VALUES ('103','2','6056-PBS','6','8.59'), ('102','1','6056-PBS','6','8.59'),
91 ('101','3','6056-PBS','6','8.59')
92
93 SELECT * FROM LGLINE
94 WHERE INV_NUM IN (101,102,103)
95
96 --UPDATE
97
98 UPDATE LGLINE
99 SET line_qty = line_qty+8
100 WHERE inv_num IN (101,102,103)
101
102 --DELETE
103 DELETE
104 FROM LGLINE
105 WHERE inv_num IN (101,102,103)
106
107 SELECT INV_NUM, INV_TOTAL
108 FROM LGINVOICE
109 ORDER BY INV_NUM
110
111
112
113
114
115
116

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