STUDENT ACTIVITY 3.3 KEY: UTILIZING UPDATE

MTA Course: Database Administration Fundamentals
Topic: Update data.
File name: DBAdminFund_SA_3.3

Lesson Objective:

3.3: Update data. *This objective may include but is not limited to:* understanding how data is updated in a database and how to write the update data to the database by using the appropriate UPDATE statements; update by using a table.

Content

Apply the following UPDATE statements to the data shown below. Record the results in the table views provided.

Student Id	Last_ Name	First_Name	Birthday	Tuition	Sex	Class_Id_1	Class_Id_2
1243	Holt	Holly	10-5-1990	10000	F	111	222
2435	Houston	Peter	1-25-1991	5000	M	323	476
3756	Raheem	Michael	6-18-1990	4000	M	222	476
4456	Jacobsen	Lola	8-7-1997	9000	F	476	323
5865	Higa	Sidney	11-21-2000	12000	F	111	222
6674	Johnson	Brian	4-15-1989	500	M	222	111
7456	Bentley	Sean	2-17-1990	350	M	111	476
8934	Price	Jeff	10-5-1990	2000	M	222	323
5718	Ashton	Chris	1-1-1951	50	M	222	

Student_Info

Class_Id	Subject	Room	Start_Time	Credit_Hours	Fees
111	English	Hall A	12:30 PM	4	120
222	Math	2354c	4:20 PM	6	234
323	Science	Hall B	6:15 PM	3	567
476	Social Studies	4576c	8:45 AM	5	140

Class_Info

1. UPDATE Student_Info SET Class_Id_1 = 0, Class_Id_2= 1

2. UPDATE Student_Info SET Tuition= Tuition - 50

3. UPDATE Student_Info SET Class_Id_1 = 213
WHERE sex = 'M' AND 2010-Year(Birthday) = 21

4. UPDATE Student_Info SET Tuition = Tuition +(Class_Info.fees *
Class_Info.Credit_Hours)
FROM Student_Info, Class_Info
WHERE Student_Info. Class_Id_1 = Class_Info.Class_Id

5. Tuition = Tuition +(Class_Info.fees* Class_Info.Credit)
UPDATE Student_Info
SET Tuition = CASE
WHEN (Class_Id_1 < 300 AND Student_ID < 5000)
THEN Tuition * 1.25
WHEN (Class_Id_1 > 200 AND Student_ID > 6000)
THEN Tuition * 1.15
ELSE Tuition * 2
END