--27/04/2015

--SUB QUERY

SELECT \* FROM ACCOUNTS

SELECT \* FROM TRANSACTIONS

SELECT ACNO,BALANCE --OUTER QUERY

FROM ACCOUNTS

WHERE ACNO

IN(SELECT ACNO FROM TRANSACTIONS --INNER QUERY

GROUP BY ACNO

HAVING SUM(AMOUNT) > 1000)

UPDATE ACCOUNTS

SET BALANCE = BALANCE + 500

WHERE ACNO

IN(SELECT ACNO FROM TRANSACTIONS

GROUP BY ACNO

HAVING SUM(AMOUNT) > 1000)

DROP TABLE TRANSACTIONS

CREATE TABLE TRANSACTIONS

(

TRAN\_ID CHAR(8) NOT NULL PRIMARY KEY,

ACNO CHAR(6) NOT NULL,

AMOUNT MONEY NOT NULL,

TRAN\_DATE DATETIME NOT NULL CONSTRAINT DEF\_TRAN\_DATE DEFAULT GETDATE(),

TRAN\_TYPE VARCHAR(15) NOT NULL

)

SELECT \* FROM ACCOUNTS

SELECT \* FROM TRANSACTIONS

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_TYPE)

VALUES('T0000001','A00001',2000.00,'DEPOSIT')

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_TYPE)

VALUES('T0000002','A00002',700.00,'WITHDRAWL')

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_DATE,TRAN\_TYPE)

VALUES('T0000003','A00007',2000.00,'04/20/2015','DEPOSIT')

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_TYPE)

VALUES('T0000004','A00008',100.00,'WITHDRAWL')

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_TYPE)

VALUES('T0000005','A00009',600.00,'WITHDRAWL')

SELECT \* FROM TRANSACTIONS

SELECT DATEPART(YYYY,GETDATE())

SELECT DATEPART(YYYY,'04/17/2014')

SELECT ACNO,TRAN\_DATE,DATEPART(YYYY,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,DATEPART(YYYY,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(YY,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(QQ,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(MM,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(DY,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(WK,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(DW,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(HH,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(MI,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(SS,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,TRAN\_DATE,DATEPART(MS,TRAN\_DATE)

FROM TRANSACTIONS

SELECT ACNO,BALANCE --OUTER QUERY

FROM ACCOUNTS

WHERE ACNO

IN(SELECT ACNO FROM TRANSACTIONS --INNER QUERY

WHERE DATEPART(YYYY,TRAN\_DATE)=2015

GROUP BY ACNO

HAVING SUM(AMOUNT) > 1000)

UPDATE ACCOUNTS

SET BALANCE = BALANCE + 500

WHERE ACNO

IN(SELECT ACNO FROM TRANSACTIONS

WHERE DATEPART(YYYY,TRAN\_DATE)=2015

GROUP BY ACNO

HAVING SUM(AMOUNT) > 1000)

SELECT ACNO,BALANCE --OUTER QUERY

FROM ACCOUNTS

WHERE ACNO

NOT IN(SELECT ACNO FROM TRANSACTIONS --INNER QUERY

WHERE DATEPART(YYYY,TRAN\_DATE)=2015

GROUP BY ACNO

HAVING SUM(AMOUNT) > 1000)

SELECT \* FROM ACCOUNTS

SELECT \* FROM TRANSACTIONS

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_TYPE)

VALUES('T0000006','A00002',18500,'WITHDRAWL')

SELECT ACNO,BALANCE --OUTER QUERY

FROM ACCOUNTS

WHERE BALANCE

IN(SELECT AMOUNT FROM TRANSACTIONS --INNER QUERY

WHERE DATEPART(YYYY,TRAN\_DATE)=2015

AND TRAN\_TYPE = 'WITHDRAWL')

UPDATE ACCOUNTS

SET BALANCE = 0

WHERE BALANCE

IN(SELECT AMOUNT FROM TRANSACTIONS --INNER QUERY

WHERE DATEPART(YYYY,TRAN\_DATE)=2015

AND TRAN\_TYPE = 'WITHDRAWL')

SELECT \* FROM ACCOUNTS

SELECT \* FROM TRANSACTIONS

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_TYPE)

VALUES('T0000007','A00001',28500,'WITHDRAWL')

SELECT ACCOUNTS.ACNO,BALANCE

FROM ACCOUNTS JOIN TRANSACTIONS

ON ACCOUNTS.ACNO = TRANSACTIONS.ACNO

AND DATEPART(YYYY,TRAN\_DATE)=2015

AND ACCOUNTS.BALANCE = TRANSACTIONS.AMOUNT

UPDATE ACCOUNTS

SET BALANCE = 0

FROM ACCOUNTS JOIN TRANSACTIONS

ON ACCOUNTS.ACNO = TRANSACTIONS.ACNO

AND DATEPART(YYYY,TRAN\_DATE)=2015

AND ACCOUNTS.BALANCE = TRANSACTIONS.AMOUNT

SELECT \* FROM ACCOUNTS

SELECT \* FROM TRANSACTIONS

DELETE ACCOUNTS

TRUNCATE TABLE ACCOUNTS --FASTER THAN DELETE COMMAND

-- ONE TIME ENTRY IN LOG FILE

DELETE ACCOUNTS

WHERE ACNO = 'A00004'

DELETE ACCOUNTS

WHERE DATEPART(YYYY,OPENING\_DATE) = 2005

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_DATE,TRAN\_TYPE)

VALUES('T0000008','A00007',2000.00,'04/20/2003','DEPOSIT')

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_DATE,TRAN\_TYPE)

VALUES('T0000009','A00007',2000.00,'04/20/2005','DEPOSIT')

INSERT TRANSACTIONS(TRAN\_ID,ACNO,AMOUNT,TRAN\_DATE,TRAN\_TYPE)

VALUES('T0000010','A00007',2000.00,'04/20/2004','DEPOSIT')

SELECT ACNO,TRAN\_DATE

FROM TRANSACTIONS

WHERE DATEPART(YYYY,TRAN\_DATE) <= 2005

DELETE TRANSACTIONS

WHERE DATEPART(YYYY,TRAN\_DATE) <= 2005

SELECT \* FROM ACCOUNTS

WHERE LAST\_NAME = 'SHARMA'

DELETE ACCOUNTS

WHERE LAST\_NAME = 'SHARMA'

SELECT \* FROM ACCOUNTS

SELECT \* FROM TRANSACTIONS

DELETE TRANSACTIONS

WHERE ACNO = 'A00001'