--------------25/05/2016-----------------

SELECT DATEPART(YY,PUBDATE)

FROM TITLES

SELECT \* FROM AUTHORS

SELECT \* FROM TITLES

SELECT \* FROM TITLEAUTHOR

UPDATE AUTHORS

SET CONTRACT=1

FROM (SELECT AUTHORS.AU\_ID,TITLEAUTHOR.TITLE\_ID

FROM AUTHORS INNER JOIN TITLEAUTHOR

ON AUTHORS.AU\_ID=TITLEAUTHOR.AU\_ID) AS MySelect

WHERE MySelect.AU\_ID=AUTHORS.AU\_ID

AND MySelect.TITLE\_ID IN('BU1111','PC9999')

DROP TABLE MYTITLES

SELECT \*

INTO MYTITLES

FROM TITLES

SELECT \* FROM MYTITLES

DELETE MYTITLES

TRUNCATE TABLE MYTITLES

DELETE MYTITLES

WHERE TITLE\_ID='BU1111'

DELETE MYTITLES

WHERE TYPE='TRAD\_COOK'

DELETE MYTITLES

WHERE PRICE<10

SELECT \* FROM MYTITLES

WHERE DATEPART(YY,PUBDATE)<=1991

DELETE MYTITLES

WHERE DATEPART(YY,PUBDATE)<=1991

SELECT \* FROM TITLEAUTHOR

WHERE AU\_ID IN(SELECT AU\_ID FROM AUTHORS

WHERE AU\_LNAME = 'Ringer')

DELETE TITLEAUTHOR

WHERE AU\_ID IN(SELECT AU\_ID FROM AUTHORS

WHERE AU\_LNAME = 'Ringer')

SELECT \* FROM AUTHORS

WHERE AU\_LNAME = 'Ringer'

DELETE AUTHORS

WHERE AU\_LNAME = 'Ringer'

SELECT \* FROM AUTHORS

SELECT \* FROM TITLEAUTHOR

DROP TABLE ACCOUNTS

CREATE TABLE ACCOUNTS

(

ACNO CHAR(6) NOT NULL PRIMARY KEY,

FIRST\_NAME VARCHAR(15) NOT NULL,

LAST\_NAME VARCHAR(15) NOT NULL,

ADDRESS VARCHAR(80) NOT NULL,

CITY VARCHAR(30) NOT NULL,

PIN\_CODE CHAR(6),

STATE VARCHAR(25) NOT NULL,

GENDER CHAR(6),

BIRTH\_DATE DATETIME NOT NULL,

PHONE\_NO VARCHAR(15),

BALANCE MONEY NOT NULL,

OPENING\_DATE DATETIME NOT NULL,

ONLINE\_BANKING BIT,

DEBIT\_CARD BIT

)

DROP TABLE ACCOUNTS

SELECT \* FROM ACCOUNTS

INSERT ACCOUNTS(ACNO,FIRST\_NAME,LAST\_NAME,ADDRESS,CITY,PIN\_CODE,STATE,BIRTH\_DATE,PHONE\_NO,BALANCE,OPENING\_DATE)

VALUES('A00001','AJAY','SHARMA','33 D SAKET','MEERUT','250001','UTTAR PRADESH','08/22/1980','9837371123',15000.00,'04/15/2015')

INSERT ACCOUNTS(ACNO,FIRST\_NAME,LAST\_NAME,ADDRESS,CITY,PIN\_CODE,STATE,BIRTH\_DATE,PHONE\_NO,BALANCE,OPENING\_DATE)

VALUES('A00002','VIJAY','SHARMA','34 D SAKET','MEERUT','250001','UTTAR PRADESH','11/24/1982','9837371155',11000.00,'04/15/2015')

INSERT ACCOUNTS(ACNO,FIRST\_NAME,LAST\_NAME,ADDRESS,CITY,STATE,BIRTH\_DATE,PHONE\_NO,BALANCE,OPENING\_DATE)

VALUES('A00003','REEMA','SHARMA','67 D SHASHTRI NAGAR','MEERUT','UTTAR PRADESH','12/27/1990','8837371155',16000.00,'04/15/2015')

SELECT \* FROM ACCOUNTS

DROP TABLE TRANSACTIONS

CREATE TABLE TRANSACTIONS

(

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

ACNO CHAR(6) NOT NULL FOREIGN KEY REFERENCES ACCOUNTS(ACNO),

AMOUNT MONEY NOT NULL,

TRAN\_DATE DATETIME NOT NULL,

TRAN\_TYPE VARCHAR(15) NOT NULL

)

SELECT \* FROM ACCOUNTS

SELECT \* FROM TRANSACTIONS

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

VALUES('T0000001','A00001',52000.00,'04/16/2015','DEPOSIT')

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

VALUES('T0000009','A00002',15000.00,'04/16/2015','DEPOSIT')

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

VALUES('T0000008','A00002',7000.00,'04/16/2015','WITHD')

DROP TRIGGER TRANSACTION\_INSERT\_TRIGGER

CREATE TRIGGER TRANSACTION\_INSERT\_TRIGGER

ON TRANSACTIONS

FOR INSERT

AS

BEGIN

DECLARE @ACNO CHAR(7)

DECLARE @AMOUNT MONEY

DECLARE @TRAN\_TYPE VARCHAR(15)

DECLARE @BALANCE MONEY

SELECT @ACNO = ACNO FROM INSERTED

SELECT @AMOUNT = AMOUNT FROM INSERTED

SELECT @TRAN\_TYPE = TRAN\_TYPE FROM INSERTED

IF @TRAN\_TYPE = 'DEPOSIT'

BEGIN

UPDATE ACCOUNTS

SET BALANCE = BALANCE + @AMOUNT

WHERE ACNO = @ACNO

END

ELSE IF @TRAN\_TYPE = 'WITHDRAWL'

BEGIN

SELECT @BALANCE = BALANCE

FROM ACCOUNTS

WHERE ACNO = @ACNO

IF @AMOUNT > @BALANCE

BEGIN

PRINT 'INSUFFICIENT BALANCE, TRANSACTION IS NOT POSSIBLE'

ROLLBACK TRANSACTION

END

ELSE

BEGIN

UPDATE ACCOUNTS

SET BALANCE = BALANCE - @AMOUNT

WHERE ACNO = @ACNO

PRINT 'TRANSACTION HAS BEEN DONE'

END

END

ELSE

BEGIN

ROLLBACK TRANSACTION

PRINT 'INVALID TRANSACTION TYPE'

END

END

SELECT \* FROM ACCOUNTS SELECT \* FROM TRANSACTIONS