drop database Trigger\_Tables;

create database Trigger\_Tables;

go

use [Trigger\_Tables];

go

CREATE SCHEMA DD AUTHORIZATION dbo;

GO

drop TABLE if exists dd.Donor;

CREATE TABLE dd.Donor (

idDonor int,

Firstname nvarchar(15),

Lastname nvarchar(30),

Typecode CHAR(1),

Street nvarchar(40),

City nvarchar(20),

State char(2),

Zip nvarchar(9),

Phone nvarchar(10),

Fax nvarchar(10),

Email nvarchar(25),

News char(1),

dtentered date DEFAULT getdate(),

CONSTRAINT donor\_id\_pk PRIMARY KEY(idDonor) );

drop TABLE if exists dd.Project;

CREATE TABLE dd.Project (

idProj int,

Projname nvarchar(60),

Projstartdate DATE,

Projenddate DATE,

Projfundgoal decimal(12,2),

ProjCoord nvarchar(20),

CONSTRAINT project\_id\_pk PRIMARY KEY(idProj),

CONSTRAINT project\_name\_uk UNIQUE (Projname) );

drop TABLE if exists dd.Status;

CREATE TABLE dd.Status (

idStatus int,

Statusdesc nvarchar(15),

CONSTRAINT status\_id\_pk PRIMARY KEY(idStatus) );

drop TABLE if exists dd.Pledge;

CREATE TABLE dd.Pledge (

idPledge int,

idDonor int,

Pledgedate DATE,

Pledgeamt decimal(8,2),

idProj int,

idStatus int,

Writeoff decimal(8,2),

paymonths int,

Campaign int,

Firstpledge char(1),

CONSTRAINT pledge\_id\_pk PRIMARY KEY(idPledge),

CONSTRAINT pledge\_idDonor\_fk FOREIGN KEY (idDonor)

REFERENCES dd.donor (idDonor),

CONSTRAINT pledge\_idProj\_fk FOREIGN KEY (idProj)

REFERENCES dd.project (idProj),

CONSTRAINT pledge\_idStatus\_fk FOREIGN KEY (idStatus)

REFERENCES dd.status (idStatus));

drop TABLE if exists dd.Payment;

CREATE TABLE dd.Payment (

idPay int,

idPledge int,

Payamt decimal(8,2),

Paydate DATE,

Paymethod char(2),

CONSTRAINT payment\_id\_pk PRIMARY KEY(idPay),

CONSTRAINT pay\_idpledge\_fk FOREIGN KEY (idPledge)

REFERENCES dd.pledge (idPledge) );

go

INSERT INTO dd.donor

VALUES (301, 'Mary', 'Treanor', 'I','243 main St.', 'Norfolk', 'VA','23510',NULL,NULL,'mtrea492@mdv.com','Y','01-SEP-2012');

INSERT INTO dd.donor

VALUES (302, 'Patrick', 'Lee', 'I','11 Hooper St.', 'Norfolk', 'VA','23510','7572115445',NULL,'pleeNorf@gmail.com','N','09-SEP-2012');

INSERT INTO dd.donor

VALUES (303, 'Terry', 'Venor', 'I','556 Loop Lane.', 'Chesapeake', 'VA','23320',NULL,NULL,'tervenr@drw.edu','Y','18-SEP-2012');

INSERT INTO dd.donor

VALUES (304, 'Sherry', 'Pane', 'I','Center Blvd.', 'Virginia Beach', 'VA','23455',NULL,NULL,'toppane@yahoo.com','Y','21-SEP-2012');

INSERT INTO dd.donor

VALUES (305, 'Thomas', 'Sheer', 'I','66 Train St.', 'Chesapeake', 'VA','23322','7579390022',NULL,'tls3488@sheer.com','Y','01-MAR-2013');

INSERT INTO dd.donor

VALUES (306, NULL, 'Coastal Developers', 'B','3667 Shore Dr.', 'Virginia Beach', 'VA','23450','8889220004',NULL,'coastVA@cdev.com','Y','30-SEP-2012');

INSERT INTO dd.donor

VALUES (307, NULL, 'VA Community Org', 'G','689 Bush Dr.', 'Norfolk', 'VA','23513','7578337467','7578337468','vacmorg@biz.com','Y','03-OCT-2012');

INSERT INTO dd.donor

VALUES (308, 'Betty', 'Konklin', 'I','11 Shark Ln.', 'Virginia Beach', 'VA','23455','7574550087',NULL,'shark11@cox.net','N','04-OCT-2012');

INSERT INTO dd.donor

VALUES (309, 'Jim', 'Tapp', 'I','200 Pine Tree Blvd.', 'Chesapeake', 'VA','23320','',NULL,'','N','08-OCT-2012');

INSERT INTO dd.donor

VALUES (310, NULL, 'Unique Dezigns', 'B','Connect Circle Unit 12', 'Chesapeake', 'VA','23320','7574442121',NULL,'UDezigns@cox.net','Y','11-SEP-2012');

INSERT INTO dd.project

VALUES (500,'Elders Assistance League', '01-SEP-2012','31-OCT-2012',15000,'Shawn Hasee');

INSERT INTO dd.project

VALUES (501,'Community food pantry #21 freezer equipment', '01-OCT-2012','31-DEC-2012',65000,'Shawn Hasee');

INSERT INTO dd.project

VALUES (502,'Lang Scholarship Fund', '01-JAN-2013','01-NOV-2013',100000,'Traci Brown');

INSERT INTO dd.project

VALUES (503,'Animal shelter Vet Connect Program', '01-DEC-2012','30-MAR-2013',25000,'Traci Brown');

INSERT INTO dd.project

VALUES (504,'Shelter Share Project 2013', '01-FEB-2013','31-JUL-2013',35000,'Traci Brown');

INSERT INTO dd.status

VALUES (10,'Open');

INSERT INTO dd.status

VALUES (20,'Complete');

INSERT INTO dd.status

VALUES (30,'Overdue');

INSERT INTO dd.status

VALUES (40,'Closed');

INSERT INTO dd.status

VALUES (50,'Hold');

INSERT INTO dd.pledge

VALUES (100,303,'18-SEP-2012',80,500,20,NULL,0,738,'Y');

INSERT INTO dd.pledge

VALUES (101,304,'21-SEP-2012',35,500,20,NULL,0,738,'Y');

INSERT INTO dd.pledge

VALUES (102,310,'01-OCT-2012',500,501,20,NULL,0,749,'Y');

INSERT INTO dd.pledge

VALUES (103,307,'03-OCT-2012',2000,501,20,NULL,0,749,'N');

INSERT INTO dd.pledge

VALUES (104,308,'04-OCT-2012',240,501,10,NULL,12,749,'Y');

INSERT INTO dd.pledge

VALUES (105,309,'08-OCT-2012',120,501,10,NULL,12,749,'Y');

INSERT INTO dd.pledge

VALUES (106,301,'12-OCT-2012',75,500,20,NULL,0,738,'N');

INSERT INTO dd.pledge

VALUES (107,302,'15-OCT-2012',1200,501,10,NULL,24,749,'Y');

INSERT INTO dd.pledge

VALUES (108,308,'20-JAN-2013',480,503,10,NULL,24,790,'N');

INSERT INTO dd.pledge

VALUES (109,301,'01-FEB-2013',360,503,10,NULL,12,790,'N');

INSERT INTO dd.pledge

VALUES (110,303,'01-MAR-2013',300,504,10,NULL,12,756,'N');

INSERT INTO dd.pledge

VALUES (111,306,'01-MAR-2013',1500,504,20,NULL,0,756,'Y');

INSERT INTO dd.pledge

VALUES (112,309,'16-MAR-2013',240,504,10,NULL,12,756,'N');

INSERT INTO dd.payment

VALUES (1425,100,80,'18-SEP-2012','CC');

INSERT INTO dd.payment

VALUES (1426,101,35,'21-SEP-2012','DC');

INSERT INTO dd.payment

VALUES (1427,102,500,'01-OCT-2012','CH');

INSERT INTO dd.payment

VALUES (1428,103,2000,'03-OCT-2012','CH');

INSERT INTO dd.payment

VALUES (1429,106,75,'12-OCT-2012','CC');

INSERT INTO dd.payment

VALUES (1430,104,20,'01-NOV-2012','CC');

INSERT INTO dd.payment

VALUES (1431,105,10,'01-NOV-2012','CC');

INSERT INTO dd.payment

VALUES (1432,107,50,'01-NOV-2012','CC');

INSERT INTO dd.payment

VALUES (1433,104,20,'01-DEC-2012','CC');

INSERT INTO dd.payment

VALUES (1434,105,10,'01-DEC-2012','CC');

INSERT INTO dd.payment

VALUES (1435,107,50,'01-DEC-2012','CC');

INSERT INTO dd.payment

VALUES (1436,104,20,'01-JAN-2013','CC');

INSERT INTO dd.payment

VALUES (1437,105,10,'01-JAN-2013','CC');

INSERT INTO dd.payment

VALUES (1438,107,50,'01-JAN-2013','CC');

INSERT INTO dd.payment

VALUES (1439,104,20,'01-FEB-2013','CC');

INSERT INTO dd.payment

VALUES (1440,105,10,'01-FEB-2013','CC');

INSERT INTO dd.payment

VALUES (1441,107,50,'01-FEB-2013','CC');

INSERT INTO dd.payment

VALUES (1442,108,20,'01-FEB-2013','CC');

INSERT INTO dd.payment

VALUES (1443,109,30,'01-FEB-2013','CC');

INSERT INTO dd.payment

VALUES (1444,104,20,'01-MAR-2013','CC');

INSERT INTO dd.payment

VALUES (1445,105,10,'01-MAR-2013','CC');

INSERT INTO dd.payment

VALUES (1446,107,50,'01-MAR-2013','CC');

INSERT INTO dd.payment

VALUES (1447,108,20,'01-MAR-2013','CC');

INSERT INTO dd.payment

VALUES (1448,109,30,'01-MAR-2013','CC');

INSERT INTO dd.payment

VALUES (1449,110,25,'01-MAR-2013','CC');

INSERT INTO dd.payment

VALUES (1450,111,1500,'01-MAR-2013','CH');

INSERT INTO dd.payment

VALUES (1451,104,20,'01-APR-2013','CC');

INSERT INTO dd.payment

VALUES (1452,105,10,'01-APR-2013','CC');

INSERT INTO dd.payment

VALUES (1453,107,50,'01-APR-2013','CC');

INSERT INTO dd.payment

VALUES (1454,108,20,'01-APR-2013','CC');

INSERT INTO dd.payment

VALUES (1455,109,30,'01-APR-2013','CC');

INSERT INTO dd.payment

VALUES (1456,110,25,'01-APR-2013','CC');

INSERT INTO dd.payment

VALUES (1457,112,20,'01-APR-2013','CC');

INSERT INTO dd.payment

VALUES (1458,104,20,'01-MAY-2013','CC');

INSERT INTO dd.payment

VALUES (1459,105,10,'01-MAY-2013','CC');

INSERT INTO dd.payment

VALUES (1460,107,50,'01-MAY-2013','CC');

INSERT INTO dd.payment

VALUES (1461,108,20,'01-MAY-2013','CC');

INSERT INTO dd.payment

VALUES (1462,109,30,'01-MAY-2013','CC');

INSERT INTO dd.payment

VALUES (1463,110,25,'01-MAY-2013','CC');

INSERT INTO dd.payment

VALUES (1464,112,20,'01-MAY-2013','CC');

go

drop TABLE if exists dd.paytrack;

CREATE TABLE dd.paytrack

(idtrack INT NOT NULL IDENTITY PRIMARY KEY,

ptuser VARCHAR(30),

ptdate DATETIME NOT NULL,

ptaction VARCHAR(60) NOT NULL,

ptpayid int,

);

--go

--create trigger paytrackInserted on dd.payment

--after insert

--as

--BEGIN

--SET NOCOUNT ON;

--declare @ptpayid int

--SELECT @ptpayid = inserted.idPay

--from inserted

--insert into dd.paytrack values( user, GETDATE(),'inserted',@ptpayid)

--end;

-- go

--create trigger paytrackDeleted on dd.payment

--after delete

--as

--BEGIN

--SET NOCOUNT ON;

--declare @ptpayid int

--SELECT @ptpayid = deleted.idPay

--from deleted

--insert into dd.paytrack values( user, GETDATE(),'deleted',@ptpayid)

--end;

-- go

--create trigger paytrackUpdated on dd.payment

--after update

--as

--BEGIN

--SET NOCOUNT ON;

--declare @ptpayid int

--SELECT @ptpayid = inserted.idPay

--from inserted

--insert into dd.paytrack values( user, GETDATE(),'updated',@ptpayid)

--end;

go

drop trigger dd.paytrackTrigger

go

create trigger paytrackTrigger on dd.payment

AFTER update, delete, insert

as

BEGIN

SET NOCOUNT ON;

declare @ptpayid int

declare @action nvarchar(50)

SELECT @ptpayid = inserted.idPay

from inserted

SELECT @ptpayid = deleted.idPay

from deleted

IF exists (SELECT \* FROM INSERTED) and exists (SELECT \* FROM deleted)

BEGIN

SET @action='Updated'

END

ELSE IF EXISTS (SELECT \* FROM INSERTED) and NOT exists (SELECT \* FROM deleted)

BEGIN

SET @action='Inserted'

END

ELSE IF EXISTS (SELECT \* FROM deleted) and NOT exists (SELECT \* FROM INSERTED)

BEGIN

SET @action='Deleted'

END

ELSE

BEGIN

SET @action='null';

return;

END

insert into dd.paytrack values( user, GETDATE(),@action,@ptpayid)

end;

INSERT INTO dd.payment VALUES (1479,112,20,'01-JUN-2013','CC');

UPDATE dd.payment SET paymethod = 'YY' WHERE idpay = 1479;

DELETE FROM dd.payment WHERE idpay = 1479;

select \* from dd.Payment where idpay > (SELECT MAX(idpay) - 10 FROM dd.Payment)

select \* from dd.paytrack

go