-- CREATING INSTEAD OF UPDATE TRIGGER

UPDATE vW\_PersonsOnGender SET name ='Olga', Email = 'olga@J.com', Gender= 'female', Age= 33, SALARY= 4000 where ID = 7 --'View or function 'vW\_PersonsOnGender' is not updatable because the modification affects multiple base tables'

-- WE NEED TO CREATE A TRIGGER

ALTER TRIGGER tr\_vW\_PersonsOnGender\_ForUpdate

ON vW\_PersonsOnGender instead of update

AS

BEGIN

IF(update(ID)) -- the funcion update prevent change if the user tries to update the column ID

begin

raiserror('The column ID can not be changed', 16, 1)

return -- do not continue, stopp here

end

IF (update(Gender)) --when the user wants to update the Gender

begin

declare @Gid int

select @Gid = Genid from tblGender

join inserted

on tblGender.Gender = inserted.Gender

if(@Gid is null) --if his/her gender is not in the data base then throw an exception otherwise go to down

begin

raiserror('error, The Gender entered was not found in data base', 16, 1)

return

end

UPDATE tblPersons set GenderID = @Gid

from inserted

JOIN tblPersons

on tblPersons.ID = inserted.ID

end

if(update(Name))

begin

Update tblPersons set Name = inserted.Name

from inserted

JOIN tblPersons

on tblPersons.ID = inserted.ID

end

if(update(Email))

begin

Update tblPersons set Email = inserted.Email

from inserted

JOIN tblPersons

on tblPersons.ID = inserted.ID

end

if(update(Age))

begin

Update tblPersons set Age = inserted.Age

from inserted

JOIN tblPersons

on tblPersons.ID = inserted.ID

end

if(update(SALARY))

begin

Update tblPersons set SALARY = inserted.SALARY

from inserted

JOIN tblPersons

on tblPersons.ID = inserted.ID

end

select \* from inserted

select \* from deleted

END

UPDATE vW\_PersonsOnGender SET name ='Olga', Email = 'olga@J.com', Gender= 'female', Age= 33, SALARY= 4000 where ID = 7



