CREATE trigger [dbo].[ins\_ins] on [dbo].[Install] instead of insert

as

declare @prog int, @pc int

select @prog = prog, @pc = pc from inserted ins

if exists(select \* from Install where prog = @prog and pc = @pc)

begin

Print('Запись уже существует');

end

else

insert into Install values (@prog,@pc)

CREATE trigger [dbo].[del\_kab] on [dbo].[Kabs] instead of delete

as

declare @knum int, @knam nvarchar(25), @teach int

select @knum = knum, @knam = knam, @teach = teach from deleted

if exists(select \* from PC where kab = @knum)

begin

delete from PC where kab = @knum

end

delete from kabs where knum = @knum

CREATE trigger [dbo].[ins\_kab] on [dbo].[Kabs] instead of insert

as

declare @knum int, @knam nvarchar(25), @teach int

if exists(select \* from Kabs where knum > 0)

select @knum = Max(knum) from Kabs

else

select @knum = 0

select @knam = knam, @teach = teach from inserted ins

if exists(select \* from Kabs where knam = @knam and teach = @teach)

begin

Print('Запись уже существует')

end

else

insert into Kabs values (@knum + 1,@knam,@teach)

CREATE trigger [dbo].[upd\_kab] on [dbo].[Kabs] instead of update

as

declare @knum int, @knam nvarchar(25), @teach int

select @knum = knum, @knam = knam, @teach = teach from inserted

if exists(select \* from Kabs where knam = @knam and teach = @teach and not knum = @knum)

begin

Print('Запись уже существует')

end

else

Update Kabs set knam = @knam, teach = @teach where knum = @knum

CREATE trigger [dbo].[del\_lic] on [dbo].[License] instead of delete

as

declare @lnum int, @lnam nvarchar(100), @dlit int

select @lnum = lnum, @lnam = lnam, @dlit = dlit from deleted

if exists(select \* from Programs where license = @lnum)

begin

Print('Существуют программы с данной лицензией')

end

else

delete from License where lnum = @lnum

CREATE trigger [dbo].[ins\_lic] on [dbo].[License] instead of insert

as

declare @lnum int, @lnam nvarchar(100), @dlit int

if exists(select \* from License where lnum > 0)

select @lnum = Max(lnum) from License

else

select @lnum = 0

select @lnam = lnam, @dlit = dlit from inserted ins

if exists(select \* from License where lnam = @lnam and dlit = @dlit)

begin

Print('Запись уже существует')

end

else

insert into License values (@lnum + 1,@lnam,@dlit)

CREATE trigger [dbo].[upd\_lic] on [dbo].[License] instead of update

as

declare @lnum int, @lnam nvarchar(100), @dlit int

select @lnum = lnum, @lnam = lnam, @dlit = dlit from inserted ins

if exists(select \* from License where lnam = @lnam and dlit = @dlit and not lnum = @lnum)

begin

Print('Запись уже существует')

end

else

Update License set lnam = @lnam, dlit = @dlit where lnum = @lnum

CREATE trigger [dbo].[del\_pc] on [dbo].[PC] instead of delete

as

declare @pcnum int, @pcnet nvarchar(50), @kab int

select @pcnum = pcnum, @pcnet = pcnet, @kab = kab from deleted

if exists(select \* from Install where pc = @pcnum)

begin

delete from Install where pc = @pcnum

end

delete from PC where pcnum = @pcnum

CREATE trigger [dbo].[ins\_pc] on [dbo].[PC] instead of insert

as

declare @pcnum int, @pcnet nvarchar(50), @kab int

if exists(select \* from PC where pcnum > 0)

select @pcnum = Max(pcnum) from PC

else

select @pcnum = 0

select @pcnet = pcnet, @kab = kab from inserted ins

if exists(select \* from pc where pcnet = @pcnet and kab = @kab)

begin

Print('Запись уже существует')

end

else

insert into PC values (@pcnum + 1,@pcnet,@kab)

CREATE trigger [dbo].[upd\_pc] on [dbo].[PC] instead of Update

as

declare @pcnum int, @pcnet nvarchar(50), @kab int

select @pcnum = pcnum, @pcnet = pcnet, @kab = kab from inserted ins

if exists(select \* from pc where pcnet = @pcnet and kab = @kab and not PCnum = @pcnum)

begin

Print('Запись уже существует')

end

else

Update PC set pcnet = @pcnet, kab = @kab where pcnum = @pcnum

CREATE trigger [dbo].[del\_pred] on [dbo].[Predmet] instead of delete

as

declare @pnum int, @pnam nvarchar(100), @hours int, @spec nvarchar(40)

select @pnum = pnum, @pnam = pnam, @hours = lab\_hours, @spec = spec from deleted

if exists(select \* from prepodav where pnum = @pnum)

delete from prepodav where pnum = @pnum

if exists(select \* from progpred where predm = @pnum)

delete from progpred where predm = @pnum

delete from Predmet where pnum = @pnum

CREATE trigger [dbo].[ins\_pred] on [dbo].[Predmet] instead of insert

as

declare @pnum int, @pnam nvarchar(100), @hours int, @spec nvarchar(40)

if exists(select \* from Predmet where pnum > 0)

select @pnum = Max(pnum) from Predmet

else

select @pnum = 0

select @pnam = pnam, @hours = lab\_hours, @spec = spec from inserted ins

if exists(select \* from Predmet where pnam = @pnam and lab\_hours = @hours and spec = @spec)

begin

Print('Запись уже существует')

end

else

insert into Predmet values (@pnum + 1,@pnam,@hours,@spec)

CREATE trigger [dbo].[upd\_pred] on [dbo].[Predmet] instead of update

as

declare @pnum int, @pnam nvarchar(100), @hours int, @spec nvarchar(40)

select @pnum = pnum, @pnam = pnam, @hours = lab\_hours, @spec = spec from inserted ins

if exists(select \* from Predmet where pnam = @pnam and lab\_hours = @hours and spec = @spec and not pnum = @pnum)

begin

Print('Запись уже существует')

end

else

Update Predmet set pnam = @pnam,lab\_hours = @hours,spec = @spec where pnum = @pnum

CREATE trigger [dbo].[ins\_prepod] on [dbo].[Prepodav] instead of insert

as

declare @tnum int, @pnum int

select @tnum = tnum, @pnum = pnum from inserted ins

if exists(select \* from Prepodav where tnum = @tnum and pnum = @pnum)

begin

Print('Запись уже существует')

end

else

insert into prepodav values (@tnum,@pnum)

CREATE trigger [dbo].[ins\_progpred] on [dbo].[ProgPred] instead of insert

as

declare @prog int, @predm int

select @prog = prog, @predm = predm from inserted ins

if exists(select \* from ProgPred where prog = @prog and predm = @predm)

begin

Print('Запись уже существует')

end

else

insert into ProgPred values (@prog,@predm)

CREATE trigger [dbo].[del\_prog] on [dbo].[Programs] instead of delete

as

declare @prnum int, @prnam nvarchar(100), @vers nvarchar(50), @lice int, @inst datetime, @expr datetime, @value int

select @prnum = prnum, @prnam = prnam, @vers = version, @lice = license, @inst = inst\_dat, @expr = expr\_dat, @value = value from deleted

if exists(select \* from progpred where prog = @prnum)

delete from progpred where prog = @prnum

if exists(select \* from install where prog = @prnum)

delete from install where prog = @prnum

update progUpd set all\_upd = all\_upd - 1 where years = datepart(yy,@expr)

delete from Programs where prnum = @prnum

CREATE trigger [dbo].[ins\_prog] on [dbo].[Programs] instead of insert

as

declare @prnum int, @prnam nvarchar(100), @vers nvarchar(50), @lice int, @inst datetime, @expr datetime, @value int

if exists(select \* from Programs where prnum > 0)

select @prnum = Max(prnum) from Programs

else

select @prnum = 0

select @prnam = prnam, @vers = version, @lice = license, @inst = inst\_dat, @expr = expr\_dat, @value = value from inserted ins

if exists(select \* from programs where prnam = @prnam and version = @vers and license = @lice and inst\_dat = @inst and expr\_dat = @expr and value = @value)

begin

Print('Запись уже существует')

end

else

Begin

insert into Programs values (@prnum + 1,@prnam,@vers,@lice,@inst,@expr,@value)

if exists (select \* from ProgUpd where years = datepart(yy,@expr))

Update ProgUpd set All\_upd= All\_Upd+1

else

Begin

insert into ProgUpd (Years,All\_Upd,Upd) values (DATEPART(yy,@expr),1,0)

end

end

CREATE trigger [dbo].[upd\_prog] on [dbo].[Programs] instead of update

as

declare @prnum int, @prnam nvarchar(100), @vers nvarchar(50), @lice int, @inst datetime, @expr datetime, @value int

select @prnum = prnum, @prnam = prnam, @vers = version, @lice = license, @inst = inst\_dat, @expr = expr\_dat, @value = value from inserted ins

if exists(select \* from programs where prnam = @prnam and version = @vers and license = @lice and inst\_dat = @inst and expr\_dat = @expr and value = @value and not prnum = @prnum)

begin

Print('Запись уже существует')

end

else

update Programs set prnam = @prnam,version = @vers,license = @lice,inst\_dat = @inst,expr\_dat = @expr,value = @value where prnum = @prnum

CREATE trigger [dbo].[ins\_sotr] on [dbo].[Sotr] instead of insert

as

declare @snum int, @snam nvarchar(50), @pass nvarchar(50), @role nvarchar(50)

if exists(select \* from Sotr where snum > 0)

select @snum = Max(snum) from Sotr

else

select @snum = 0

select @snam = snam, @pass = pass, @role = role from inserted ins

if exists(select \* from sotr where snam = @snam)

begin

Print('Пользователь с таким именем существует')

end

else

insert into Sotr values (@snum + 1,@snam,@pass, @role)

CREATE trigger [dbo].[upd\_sotr] on [dbo].[Sotr] instead of update

as

declare @snum int, @snam nvarchar(50), @pass nvarchar(50), @role nvarchar(50)

select @snum = snum, @snam = snam, @pass = pass, @role = role from inserted ins

if exists(select \* from sotr where pass = @pass)

begin

Print('Введите другой пароль')

end

else

update Sotr set snam = @snam, pass = @pass, role = @role where snum = @snum

CREATE trigger [dbo].[del\_teach] on [dbo].[Teachers] instead of delete

as

declare @tnum int, @tfam nvarchar(50), @tnam nvarchar(50), @totch nvarchar(50), @dolg nvarchar(50)

select @tnum = tnum, @tfam = tfam, @tnam = tnam, @totch = totch, @dolg = dolg from deleted

if exists(select \* from prepodav where tnum = @tnum)

delete from prepodav where tnum = @tnum

if exists (select \* from Kabs where teach = @tnum)

update kabs set teach = null where teach = @tnum

delete from Teachers where tnum = @tnum

CREATE trigger [dbo].[ins\_teach] on [dbo].[Teachers] instead of insert

as

declare @tnum int, @tfam nvarchar(50), @tnam nvarchar(50), @totch nvarchar(50), @dolg nvarchar(50)

if exists(select \* from Teachers where tnum > 0)

select @tnum = Max(tnum) from Teachers

else

select @tnum = 0

select @tfam = tfam, @tnam = tnam, @totch = totch, @dolg = dolg from inserted ins

if exists(select \* from teachers where tfam = @tfam and tnam = @tnam and totch = @totch and dolg = @dolg)

begin

Print('Запись уже существует')

end

else

insert into Teachers values (@tnum + 1,@tfam,@tnam,@totch,@dolg)

CREATE trigger [dbo].[upd\_teach] on [dbo].[Teachers] instead of update

as

declare @tnum int, @tfam nvarchar(50), @tnam nvarchar(50), @totch nvarchar(50), @dolg nvarchar(50)

select @tnum = tnum, @tfam = tfam, @tnam = tnam, @totch = totch, @dolg = dolg from inserted ins

if exists(select \* from teachers where tfam = @tfam and tnam = @tnam and totch = @totch and dolg = @dolg and not tnum = @tnum)

begin

Print('Запись уже существует')

end

else

update Teachers set tfam = @tfam,tnam = @tnam,totch = @totch,dolg = @dolg where tnum = @tnum