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ALTER proc [dbo].[SP_CHUYENLOP]
@MASV char(12),@MASVMOI char(12),@MALOPMOI char(8)
as
begin
    SET XACT_ABORT ON
    if(exists(select * from SINHVIEN where MASV = @MASV and NGHIHOC = 1))
    begin
        RAISERROR ('Sinh Viên Đã Nghĩ Học', 16,4)
        RETURN 4
    end

    DECLARE @ma char(12);
    set @ma = '';
    DECLARE @ho nVARCHAR(40);
    DECLARE @ten nVARCHAR(10);
    DECLARE @phai bit;
    DECLARE @ngaySinh datetime;
    DECLARE @noiSinh nVARCHAR(40);
    DECLARE @diaChi nVARCHAR(80);
    declare @hp int;
    declare @diem int;
    if(exists(select * from LOP where MALOP = @MALOPMOI))
    begin
        select @ho = HO,@ten = TEN,@phai = PHAI,@ngaySinh = NGAYSINH,@noiSinh =
NOISINH,
        @diaChi = DIACHI from SINHVIEN where MASV = @MASV
        select @ma = MASV from SINHVIEN
        where HO = @ho and TEN = @ten and PHAI = @phai and NGAYSINH =
@ngaySinh and DIACHI = @diaChi and NGHIHOC = 1 and MALOP = @MALOPMOI

        if(@ma <> '')
        begin
            SET XACT_ABORT ON
            BEGIN DISTRIBUTED TRANSACTION
                update SINHVIEN set NGHIHOC = 'false' where MASV = @ma
                update SINHVIEN set NGHIHOC = 'True' where MASV = @MASV
            COMMIT TRANSACTION;
            RETURN 3
        end

        if(exists(select * from SINHVIEN where MASV = @MASV and MALOP = @MALOPMOI))
        begin
            RAISERROR ('Sinh Viên Đã Ở Trong Lớp Đây', 16,2)
            RETURN 2
        end
        if(exists(select * from SINHVIEN where MASV = @MASVMOI))
        begin
            RAISERROR ('Mã Sinh Viên Bị Trùng', 16,1)
            RETURN 1
        end

        BEGIN TRANSACTION
        insert into SINHVIEN
(MASV,HO,TEN,MALOP,PHAI,NGAYSINH,NOISINH,DIACHI,GHICHU,NGHIHOC)
select
@MASVMOI,HO,TEN,@MALOPMOI,PHAI,NGAYSINH,NOISINH,DIACHI,GHICHU,NGHIHOC from SINHVIEN

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        where MASV = @MASV

        exec @hp = sp_KIEMTRASVCOHP @MASV

        exec @diem = sp_KIEMTRASVCODIEM @MASV
        if(@hp = 0 and @diem = 0)
        begin
            delete from SINHVIEN where MASV = @MASV
        end
        else
        begin
            update SINHVIEN set NGHIHOOC = 'True' where MASV = @MASV
        end
        COMMIT TRANSACTION;
    end
    else
    begin
        select @ho = HO,@ten = TEN,@phai = PHAI,@ngaySinh = NGAYSINH,@noiSinh =
NOISINH,
        @diaChi = DIACHI from SINHVIEN where MASV = @MASV
        select @ma = MASV from LINK1.QLDSV.dbo.SINHVIEN
        where HO = @ho and TEN = @ten and PHAI = @phai and NGAYSINH =
@ngaySinh and DIACHI = @diaChi and NGHIHOOC = 1 and MALOP = @MALOPMOI

        if(@ma <> '')
        begin
            SET XACT_ABORT ON
            BEGIN DISTRIBUTED TRANSACTION
            update LINK1.QLDSV.dbo.SINHVIEN set NGHIHOOC = 'false' where
MASV = @ma
            update SINHVIEN set NGHIHOOC = 'True' where MASV = @MASV
            COMMIT TRANSACTION;
            RETURN 3
        end

        if(exists(select * from LINK1.QLDSV.dbo.SINHVIEN where MASV = @MASVMOI))
        begin
            RAISERROR ('Mã Sinh Viên Bị Trùng', 16,1)
            RETURN 1
        end

        SET XACT_ABORT ON
        BEGIN DISTRIBUTED TRANSACTION
        insert into LINK1.QLDSV.dbo.SINHVIEN
(MASV,HO,TEN,MALOP,PHAI,NGAYSINH,NOISINH,DIACHI,GHICHU,NGHIHOOC)
select
@MASVMOI,HO,TEN,@MALOPMOI,PHAI,NGAYSINH,NOISINH,DIACHI,GHICHU,NGHIHOOC from SINHVIEN
where MASV = @MASV
        exec @hp = sp_KIEMTRASVCOHP @MASV
        exec @diem = sp_KIEMTRASVCODIEM @MASV
        if(@hp = 0 and @diem = 0)
        begin
            delete from SINHVIEN where MASV = @MASV
        end
        else
        begin
            update SINHVIEN set NGHIHOOC = 'True' where MASV = @MASV

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        end
    COMMIT TRANSACTION;
end
return 0
end
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