

Veritabanı Yönetimi ve Modellemesi Laboratuvarı

HAFTA 11 CEVAPLAR

1- Çözüm:

```

CREATE PROC Sp_PersonelEkle
@personelAdi AS NVARCHAR(50),
@personelSoyadi AS NVARCHAR(50),
@dogumTarihi AS DATE,
@iseBaslamaTarihi AS DATE,
@adres AS NVARCHAR(50),
@telefon AS NVARCHAR(50),
@gorevi AS NVARCHAR(50),
@result AS INT OUT
AS BEGIN
BEGIN TRANSACTION
IF EXISTS(SELECT * FROM tbl_PersonelTur Where Ad=@gorevi)
BEGIN
SET @result=1
INSERT INTO tbl_Personel VALUES
(@personelAdi,@personelSoyadi,@dogumTarihi,
(SELECT id FROM tbl_PersonelTur WHERE
Ad=@gorevi),@iseBaslamaTarihi,@adres,@telefon,NULL,NULL,NULL)
END
ELSE
BEGIN
SELECT @result=1
INSERT INTO tbl_PersonelTur VALUES(@gorevi)
INSERT INTO tbl_Personel VALUES
(@personelAdi,@personelSoyadi,@dogumTarihi,
(SELECT id FROM tbl_PersonelTur WHERE
Ad=@gorevi),@iseBaslamaTarihi,@adres,@telefon,NULL,NULL,NULL)
END
IF(@@ERROR<>0)
BEGIN
ROLLBACK TRANSACTION
SET @result=0
END
COMMIT TRANSACTION
END

```

ÇALIŞMA:

```

DECLARE @sonuc AS INT
EXEC dbo.Sp_PersonelEkle @personelAdi='Test', @personelSoyadi='Test',
@dogumTarihi='1990-12-1',
@iseBaslamaTarihi='2021-11-17',
@adres='',@telefon='',@gorevi='Labrorant', @result=@sonuc OUT
SELECT @sonuc

```

2- Çözüm:

SCALER UDF:

```
CREATE FUNCTION [dbo].[UDF_getVirusBilgisi] (@HastaId INT)
RETURNS NVARCHAR(2000) AS BEGIN
DECLARE @virusBilgisi NVARCHAR(2000)
DECLARE @tmp TABLE
(SatirId INT, Ad NVARCHAR(50))
INSERT INTO @tmp
SELECT SatirId=ROW_NUMBER() OVER(ORDER BY AD ASC), Ad from tbl_virus
Where id IN ( SELECT virusId FROM tbl_HastaVirus Where
hastaId=@hastaId)
DECLARE @indis INT
SELECT @indis=1,@virusBilgisi=''
While (@indis<=(SELECT COUNT(*) FROM @tmp))
BEGIN
    SELECT @virusBilgisi=@virusBilgisi+', '+ad
        FROM @tmp Where SatirId=@indis
    SET @indis=@indis+1
END
SELECT @virusBilgisi=SUBSTRING(@virusBilgisi,2,LEN(@virusBilgisi))
return @virusBilgisi
END
```

SCALER UDF:

```
CREATE FUNCTION UDF_getVirusBilgisiV2 (@HastaId INT)
RETURNS NVARCHAR(1000) AS BEGIN
DECLARE @VID INT
DECLARE @VBilgi AS NVARCHAR(1000)
SET @VBilgi=''
DECLARE tabloKontrol SCROLL CURSOR FOR
SELECT virusId FROM tbl_Hasta TH INNER JOIN tbl_HastaMuayene THM
ON TH.id=THM.HastaID INNER JOIN tbl_Hastavirus THV
ON THV.HastarefNo=THM.HastaREfNo Where TH.id=@hastaId
OPEN tabloKontrol
FETCH tabloKontrol INTO @VID
WHILE (@@FETCH_STATUS<>-1)
BEGIN
    SELECT @VBilgi=@VBilgi+', '+Ad FROM tbl_Virus Where id=@VID
    FETCH tabloKontrol INTO @VID
END
CLOSE tabloKontrol
DEALLOCATE tabloKontrol
SELECT @VBilgi=SUBSTRING(@VBilgi,2,LEN(@vbilgi))
RETURN @VBilgi
END
```

Table Value: CREATE FUNCTION UDF_getHastaVirus
(
RETURNS TABLE AS RETURN
SELECT Ad, Soyad, Virus=dbo.UDF_getVirusBilgisi(id)
--Yada virusV2=dbo.UDF_getVirusBilgisiv2(id)
FROM tbl_Hasta

ÇALIŞMA:

```
select * from UDF_getHastaVirus()
```