OBS VERİ TABANI

--SİSTEMDE BİR OBS VERİ TABANİ MEVCUTTUR. BU VERİ TABANİNA İLİSKİN SORGULAR ASAGIDA

LİSTELENECEKTİR.

--TABLOLARİ LİSTELEME

SELECT \* FROM class

SELECT \* FROM department

SELECT \* FROM lecturers

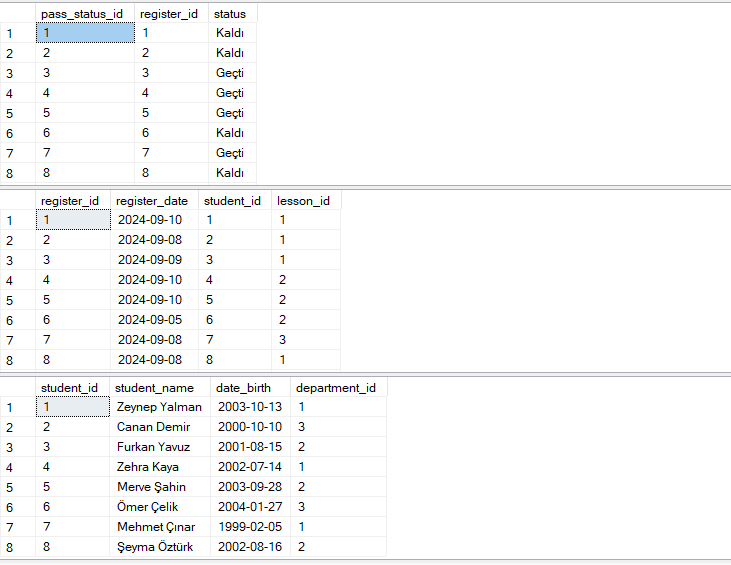
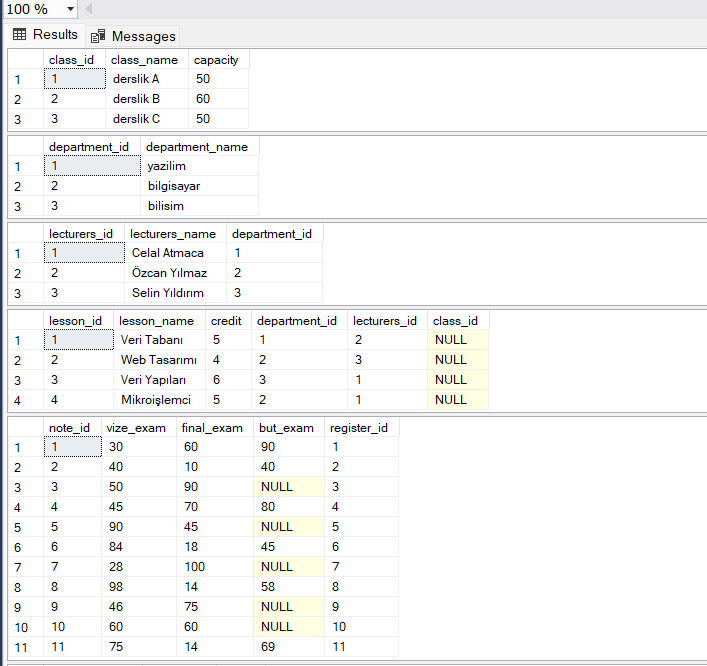
SELECT \* FROM lesson

SELECT \* FROM note

SELECT \* FROM pass\_status

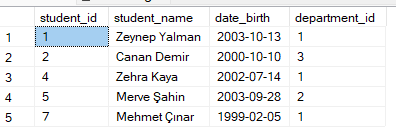
SELECT \* FROM register

SELECT \* FROM student



--OGRENCİ TABLOSUNDA ADİ Z C VE M HARFİ İLE BASLAYANLARIN LİSTESİ

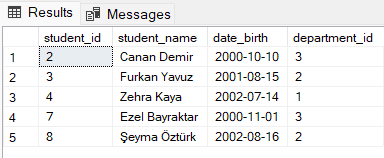
SELECT \* FROM student where student\_name like '[ZCM]%'



--ogrenci tablosunda dogum tarihi verilen araliklarda olan ogrencileri sırala

SELECT \* FROM student

where date\_birth between '01/01/2000' and '12/31/2002'



--ogrenci tablosunda kac farkli isim var

SELECT count(distinct student\_name) as farkli\_isim\_sayisi from student



- herhangi bir dersten kalan ögrencileri verir. join islemi ile ogrenci, ders kaydi, dersten gecme, ders, bolum tablolari birlestirildi\*

SELECT s.student\_id, s.student\_name,p.status,d.department\_name,les.lesson\_name,les.lecturers\_id

FROM student s

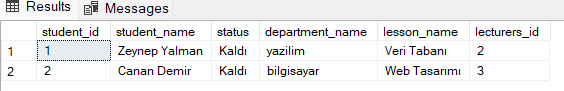
JOIN pass\_status p ON s.student\_id = p.pass\_status\_id

JOIN register r ON r.register\_id=p.pass\_status\_id

JOIN department d ON s.student\_id=d.department\_id

JOIN lesson les ON les.lesson\_id=d.department\_id

WHERE p.status = 'Kaldı'



--silinen öğrencinin adını soyadını mezun tablosuna trigger ile kaydediyoruz. foreign keyler oldugu icin bagli oldugu diger tablolardan da silinmesi gerekiyor.

create table graduate(graduate\_name varchar(50))

ALTER TRIGGER delete\_student

ON student

INSTEAD OF DELETE

AS

BEGIN

-- Silinen öğrenci bilgilerini geçici bir tabloya kopyalayın

DECLARE @deleted TABLE (student\_id INT, student\_name VARCHAR(50));

INSERT INTO @deleted (student\_id, student\_name)

SELECT student\_id, student\_name

FROM deleted;

-- pass\_status tablosundaki ilgili kayıtları siliyoruz

DELETE FROM pass\_status

WHERE register\_id IN (SELECT register\_id FROM register WHERE student\_id IN (SELECT student\_id FROM @deleted));

-- not tablosundaki ilgili kayıtları siliyoruz

DELETE FROM note

WHERE register\_id IN (SELECT register\_id FROM register WHERE student\_id IN (SELECT student\_id FROM @deleted));

-- register tablosundaki ilgili kayıtları siliyoruz

DELETE FROM register

WHERE student\_id IN (SELECT student\_id FROM @deleted);

-- Silinen öğrencinin adını graduate tablosuna ekliyoruz

INSERT INTO graduate (graduate\_name)

SELECT student\_name

FROM @deleted;

-- Öğrenciyi student tablosundan siliyoruz

DELETE FROM student

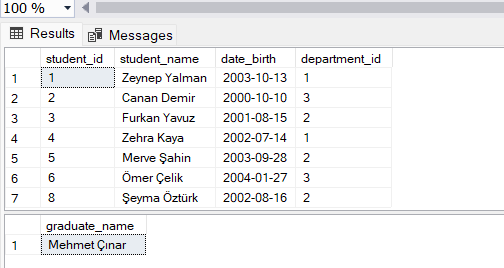
WHERE student\_id IN (SELECT student\_id FROM @deleted);

END;

DELETE FROM student WHERE student\_id =7 --silinmek istenen ögrencinin id si girilerek islem gerceklestiriliyor.

SELECT \* FROM student

select \* from graduate



--vize notu 50den fazla olan ogrencileri sirala

SELECT s.student\_id, s.student\_name,p.status,n.vize\_exam

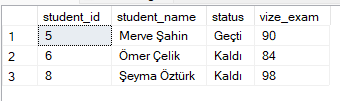
FROM student s

JOIN pass\_status p ON s.student\_id = p.pass\_status\_id

JOIN register r ON r.register\_id=p.pass\_status\_id

JOIN note n ON r.register\_id=n.note\_id

WHERE n.vize\_exam >50

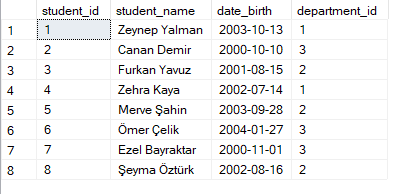


--7. indexe yeni ögrenci atandı

INSERT INTO student(student\_id,student\_name, date\_birth, department\_id)

VALUES(7,'Ezel Bayraktar', '2000-11-01' , 3)

select \*from student



--ogrenci adi ile butunleme notu guncellendi

UPDATE note

SET but\_exam = 99WHERE register\_id IN (

SELECT register\_id

FROM register

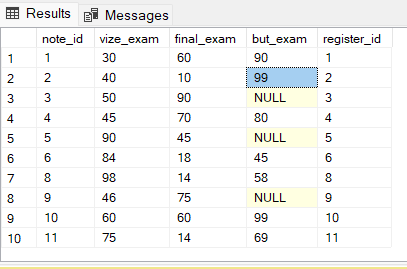
WHERE student\_id IN (

SELECT student\_id

FROM student

WHERE student\_name = 'Canan Demir' )

);



--ogrenci kaydini daha efektif hale getirmek icin bir stored procedure yazalim

CREATE PROCEDURE Addstudent

@student\_id INT,

@student\_name NVARCHAR(100),

@date\_birth DATE,

@department\_id INT

AS

BEGIN

-- INSERT işlemi

INSERT INTO student (student\_id, student\_name, date\_birth, department\_id)

VALUES (@student\_id, @student\_name, @date\_birth, @department\_id);

END;

GO

-- Stored procedure'u çagırma

EXEC Addstudent

@student\_id = 9,

@student\_name = 'Nurgül Kızmaz',

@date\_birth = '1999-02-18',

@department\_id = 1;

select \*from student

