fakulte
fakulte_id	int
fakulte_adi	varchar

bolum
bolum_id	int
fakulte_id	int
bolum_adi	varchar

ogrenci
ogrenci_id	int
ogrenci_ad	varchar
ogrenci_soyad	varchar
bolum_id	int

ogrenci_adres
ogrenci_adres_id	int
ogrenci_id	int
ogrenci_adres	varchar

ogretim_uyesi
ogretim_uyesi_id	int
ogretim_uyesi_ad	varchar
ogretim_uyesi_soyad	varchar
bolum_id	int

ogrenci_tel
ogrenci_tel_id	int
ogrenci_id	int
ogrenci_telefon	varchar

donem
donem_id	int
donem_ad	varchar

ders
ders_id	int
ders_adi	varchar
kredi	int

ders_acma
ders_acma_id	int
ders_id	int
ogretim_uyesi_id	int
donem_id	int

notlandirma
notlandirma_id	int
ders_kayit_id	int
vize	tinyint
final	tinyint

ders_kayit
ders_kayit_id	int
ogrenci_id	int
ders_acma_id	int

CREATE DATABASE univ_bilgi;

```sql
USE univ_bilgi;

CREATE TABLE fakulte(
        fakulte_id INT PRIMARY KEY AUTO_INCREMENT not null,
    fakulte_adi VARCHAR(50)
);

CREATE TABLE bolum(
        bolum_id INT PRIMARY KEY AUTO_INCREMENT not null,
    fakulte_id INT, -- references
    bolum_adi VARCHAR(50)
);

CREATE TABLE ogrenci(
        ogrenci_id INT PRIMARY KEY AUTO_INCREMENT not null,
        ogrenci_ad VARCHAR(50),
    ogrenci_soyad VARCHAR(50),
    bolum_id INT -- references
);

CREATE TABLE ogrenci_adres(
        ogrenci_adres_id INT PRIMARY KEY AUTO_INCREMENT not null,
    ogrenci_id INT, -- references
    ogrenci_adres VARCHAR (250)
);

CREATE TABLE ogrenci_tel(
        ogrenci_tel_id INT PRIMARY KEY AUTO_INCREMENT not null,
    ogrenci_id INT, -- references
    ogrenci_telefon VARCHAR(11)
);

CREATE TABLE ogretim_uyesi(
        ogretim_uyesi_id INT PRIMARY KEY AUTO_INCREMENT not null,
```

```sql
    ogretim_uyesi_ad VARCHAR(50),

    ogretim_uyesi_soyad VARCHAR(50),

    bolum_id INT -- references
);


CREATE TABLE ders(

        ders_id INT PRIMARY KEY AUTO_INCREMENT not null,

    ders_adi VARCHAR(100) not null,

    kredi INT
);


CREATE TABLE donem(

        donem_id INT PRIMARY KEY AUTO_INCREMENT not null,

    donem_ad VARCHAR(50)
);


CREATE TABLE ders_acma (

    ders_acma_id INT PRIMARY KEY AUTO_INCREMENT not null,

    ders_id INT,

    ogretim_uyesi_id INT, -- references

    donem_id INT -- references
);


CREATE TABLE ders_kayit(

        ders_kayit_id INT PRIMARY KEY AUTO_INCREMENT not null,

    ogrenci_id INT, -- references

    ders_acma_id INT -- references
);




CREATE TABLE notlandirma(

        notlandirma_id INT PRIMARY KEY AUTO_INCREMENT not null,

    ders_kayit_id INT, -- references
```

```sql
    vize TINYINT,

    final TINYINT

);


-- ------------------------------------------------------------------------------------


ALTER TABLE ogrenci

ADD FOREIGN KEY (bolum_id) REFERENCES bolum(bolum_id);


ALTER TABLE ogrenci_adres

ADD FOREIGN KEY (ogrenci_id) REFERENCES ogrenci(ogrenci_id);


ALTER TABLE ogrenci_tel

ADD FOREIGN KEY (ogrenci_id) REFERENCES ogrenci(ogrenci_id);


ALTER TABLE bolum

ADD FOREIGN KEY (fakulte_id) REFERENCES fakulte(fakulte_id);


ALTER TABLE ogretim_uyesi

ADD FOREIGN KEY (bolum_id) REFERENCES bolum(bolum_id);


ALTER TABLE ders_acma

ADD FOREIGN KEY (ogretim_uyesi_id) REFERENCES ogretim_uyesi(ogretim_uyesi_id),

ADD FOREIGN KEY (donem_id) REFERENCES donem(donem_id),

ADD FOREIGN KEY (ders_id) REFERENCES ders(ders_id);


ALTER TABLE ders_kayit

ADD FOREIGN KEY (ogrenci_id) REFERENCES ogrenci(ogrenci_id),

ADD FOREIGN KEY (ders_acma_id) REFERENCES ders_acma(ders_acma_id);


ALTER TABLE notlandirma

ADD FOREIGN KEY (ders_kayit_id) REFERENCES ders_kayit(ders_kayit_id);


-- ------------------------------------------------------------------------------------
```

```sql
INSERT INTO fakulte(fakulte_adi) VALUES
('MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ'),
('MİMARLIK FAKÜLTESİ'),
('SAĞLIK BİLİMLERİ FAKÜLTESİ'),
('EĞİTİM BİLİMLERİ FAKÜLTESİ');


INSERT INTO bolum(fakulte_id, bolum_adi) VALUES
(1, 'BİLGİSAYAR MÜHENDİSLİĞİ'),
(3, 'TIP'),
(4, 'MATEMATİK ÖĞRETMENLİĞİ'),
(4, 'İNGİLİZCE ÖĞRETMENLİĞİ'),
(2, 'MİMARLIK');


INSERT INTO ogrenci(ogrenci_ad, ogrenci_soyad, bolum_id) VALUES
('AHMET', 'KAYAR', 1),
('MAŞİDE', 'KAYGUSUZ', 2),
('YUSUF', 'BOYRAZ', 3),
('ZEYNEP', 'DEMİR', 4),
('MEHMET ZEKİ', 'ELMAS', 5);


INSERT INTO ogretim_uyesi(ogretim_uyesi_ad, ogretim_uyesi_soyad, bolum_id) VALUES
('SAMİ', 'KARAKUL', 1),
('YAKUP', 'KUTLU', 2),
('İPEK', 'ABASIKELEŞ', 3),
('AHMET', 'DEMİR', 4),
('MEHMET', 'BAKIR', 5);
INSERT INTO ders(ders_adi,kredi) VALUES
('VERİTABANI YÖNETİM SİSTEMLERİ', 4),
('BİLGİSAYAR PROGRAMLAMA', 3),
('NESNE TABANLI PROGRAMLAMA', 3),
('AĞ TEKNOLOJİLERİ', 3),
```

('ETİK', 2);

INSERT INTO donem(donem_ad) VALUES

('2025 GÜZ'),

('2025 BAHAR');

INSERT INTO ders_acma(ders_id, ogretim_uyesi_id,donem_id) VALUES

(1,2,1),

(2,4,1),

(3,5,1),

(4,3,2),

(5,1,2);

INSERT INTO ogrenci_adres(ogrenci_id,ogrenci_adres) VALUES

(1,'MARDİN, ARTUKLU'),

(2,'MALATYA, BATTALGAZİ'),

(3,'AMASYA, MERKEZ'),

(4,'İSTANBUL, KADIKÖY'),

(5,'İZMİR, BERGAMA');

INSERT INTO ogrenci_tel(ogrenci_id,ogrenci_telefon) VALUES

(1,'5317964447'),

(2,'5337968574'),

(3,'5527458540'),

(4,'5317996524'),

(5,'5322968504');

```sql
INSERT INTO ders_kayit(ogrenci_id, ders_acma_id) VALUES

(1,1),

(2,2),

(3,3),

(4,4),

(5,5);


INSERT INTO notlandirma(ders_kayit_id, vize, final) VALUES

(1,80,91),

(2,74,76),

(3,32,56),

(4,41,86),

(5,96,66);

SELECT*FROM ogrenci;

SELECT*FROM ogretim_uyesi;

SELECT*FROM ders;

SELECT*FROM donem;

SELECT*FROM ogrenci_adres;

SELECT*FROM notlandirma;

SELECT*FROM ogrenci_tel;

SELECT*FROM fakulte;

SELECT*FROM ders_acma;

SELECT*FROM ders_kayit;

SELECT*FROM bolum;
```