create database bilgi\_sistemi

create table Ogrenci

(

Ogrenci\_Id int,

Ogrenci\_AdSoyad varchar(30),

PRIMARY KEY(Ogrenci\_Id)

)

create table Danisman

(

Danısman\_Id int,

Danısman\_AdSoyad varchar(30),

PRIMARY KEY(Danısman\_Id)

)

create table OgrenciDanisman

(

OgrenciDanısman\_Id int ,

Danısman\_Id int,

Ogrenci\_Id int,

PRIMARY KEY(OgrenciDanısman\_Id),

FOREIGN KEY(Danısman\_Id) REFERENCES Danisman(Danısman\_Id),

FOREIGN KEY(Ogrenci\_Id) REFERENCES Ogrenci(Ogrenci\_Id),

)

insert into Ogrenci values (1,'Ogrenci\_1')

insert into Ogrenci values (2,'Ogrenci\_2')

insert into Ogrenci values (3,'Ogrenci\_3')

insert into Ogrenci values (4,'Ogrenci\_4')

insert into Danisman values (1,'Danısman\_1')

insert into Danisman values (2,'Danısman\_2')

insert into Danisman values (3,'Danısman\_3')

insert into Danisman values (4,'Danısman\_4')

insert into OgrenciDanisman values (1,1,2)

insert into OgrenciDanisman values (2,3,2)

insert into OgrenciDanisman values (3,4,1)

insert into OgrenciDanisman values (4,NULL,3)

insert into OgrenciDanisman values (5,NULL,4)

delete from OgrenciDanisman

select \* from Ogrenci

select \* from Danisman

select \* from OgrenciDanisman

--1

select \*

from Ogrenci O1 inner join OgrenciDanisman O2 on O2.Ogrenci\_Id=O1.Ogrenci\_Id

2 Ogrenci\_2 1 1 2

2 Ogrenci\_2 2 3 2

1 Ogrenci\_1 3 4 1

3 Ogrenci\_3 4 NULL 3

4 Ogrenci\_4 5 NULL 4

--2

select \*

from Ogrenci D1 left join OgrenciDanisman O2 on O2.Ogrenci\_Id=D1.Ogrenci\_Id

where O2.Ogrenci\_Id=NULL

--3

select \*

from Danisman D1 left join OgrenciDanisman O2 on O2.Danısman\_Id=D1.Danısman\_Id

where O2.Danısman\_Id=NULL

--4

select D1.Danısman\_AdSoyad,O2.Ogrenci\_Id

from Danisman D1 inner join OgrenciDanisman O2 on O2.Danısman\_Id=D1.Danısman\_Id

Danısman\_1 2

Danısman\_3 2

Danısman\_4 1

--5

select \*

from Ogrenci O1 left join OgrenciDanisman O2 on O2.Ogrenci\_Id=O1.Ogrenci\_Id

1 Ogrenci\_1 3 4 1

2 Ogrenci\_2 1 1 2

2 Ogrenci\_2 2 3 2

3 Ogrenci\_3 4 NULL 3

4 Ogrenci\_4 5 NULL 4