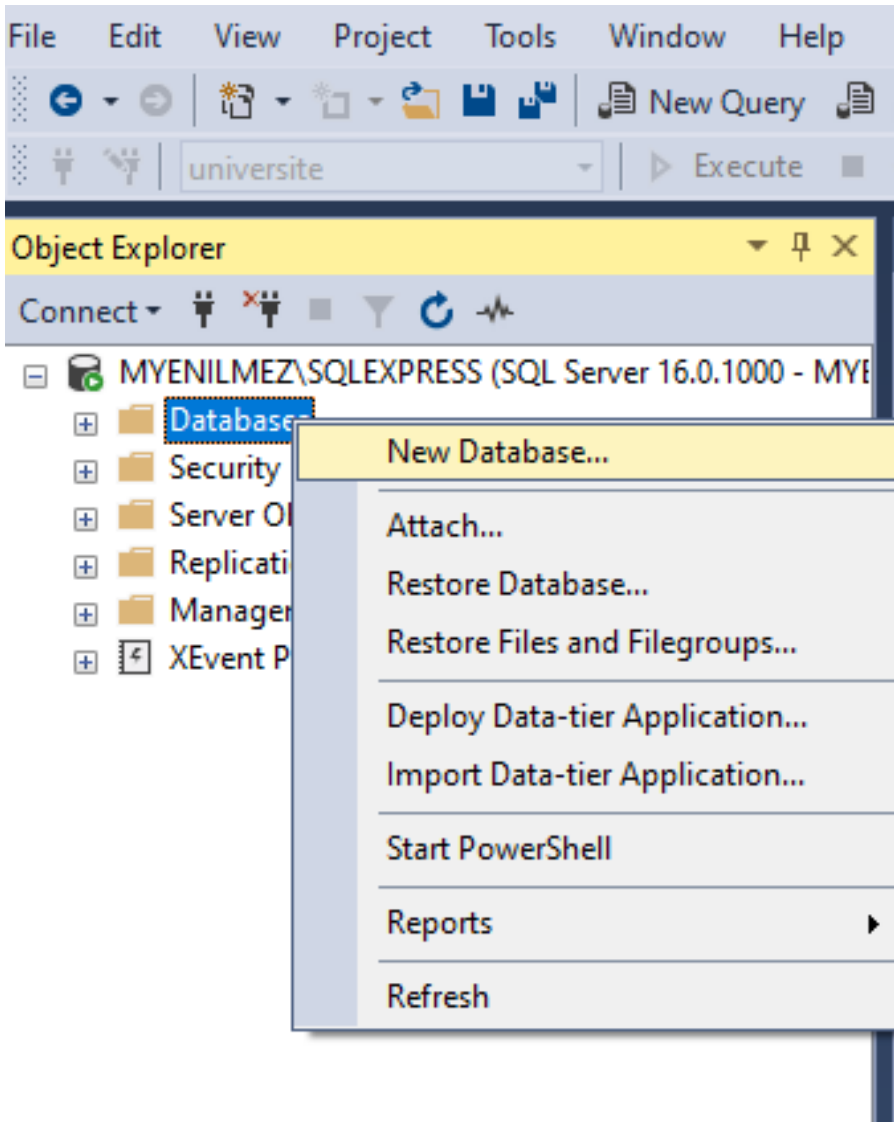


# Veri Tabanı Yönetim Sistemleri

---



Öncelikle yeni bir veri tabanı oluşturulur.

Kullanılacak veri tabanı dosyalarına  
Drive/Veritabanı Lab Dosyaları/3.Hafta  
(<https://drive.google.com/drive/folders/1-gOFKOIVMWHNftSZ-QvHMm7Kde9HPjy6>) içerisinde  
erişebilirsiniz.

New Database

Select a page: Script Help

General Options Filegroups

Database name: universite

Owner: <default>

☒ Use full-text indexing

Database files:

Logical Name	File Type	Filegroup	Initial Size (MB)	Autogrowth / Maxsize	Path
universite	ROWS...	PRIMARY	8	By 64 MB, Unlimited	C:\P
universite_log	LOG	Not Applicable	8	By 64 MB, Unlimited	C:\P

Connection

Server: myenilmez\SQLEXPRESS

Connection: MYENILMEZ\myenilmez

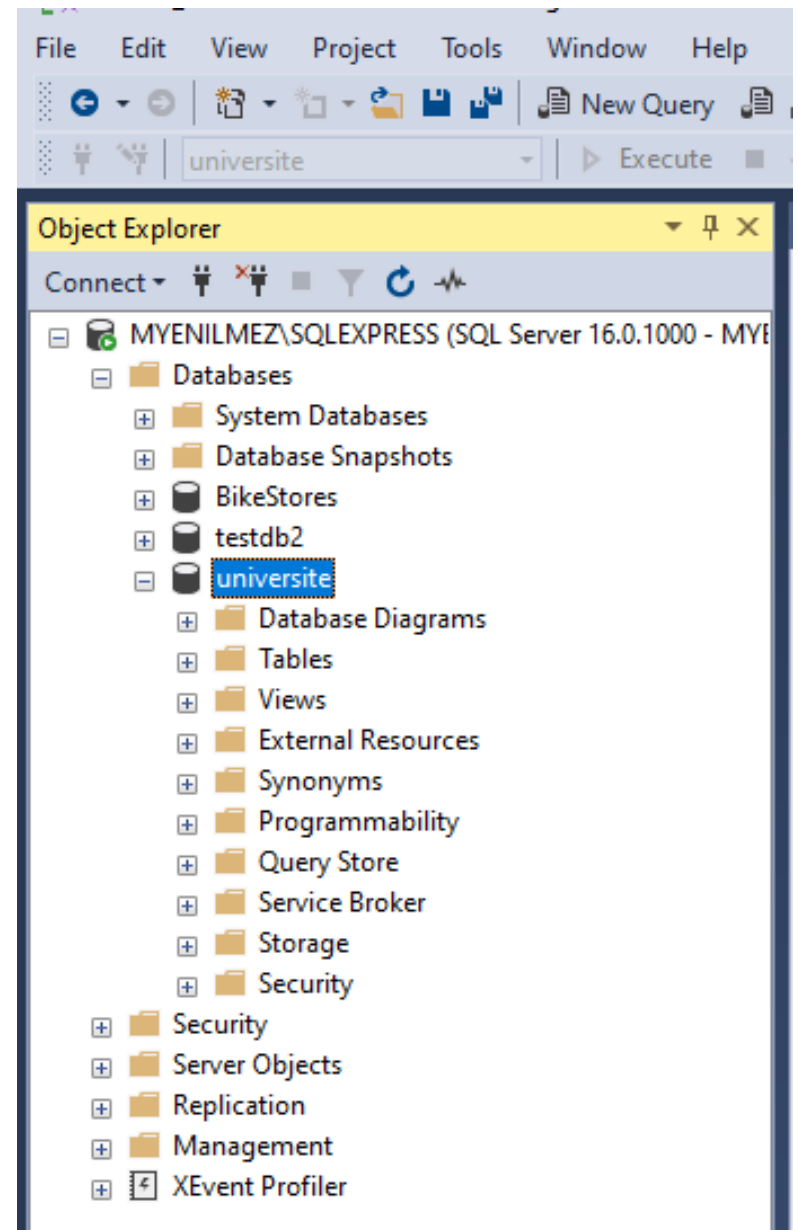
[View connection properties](#)

Progress

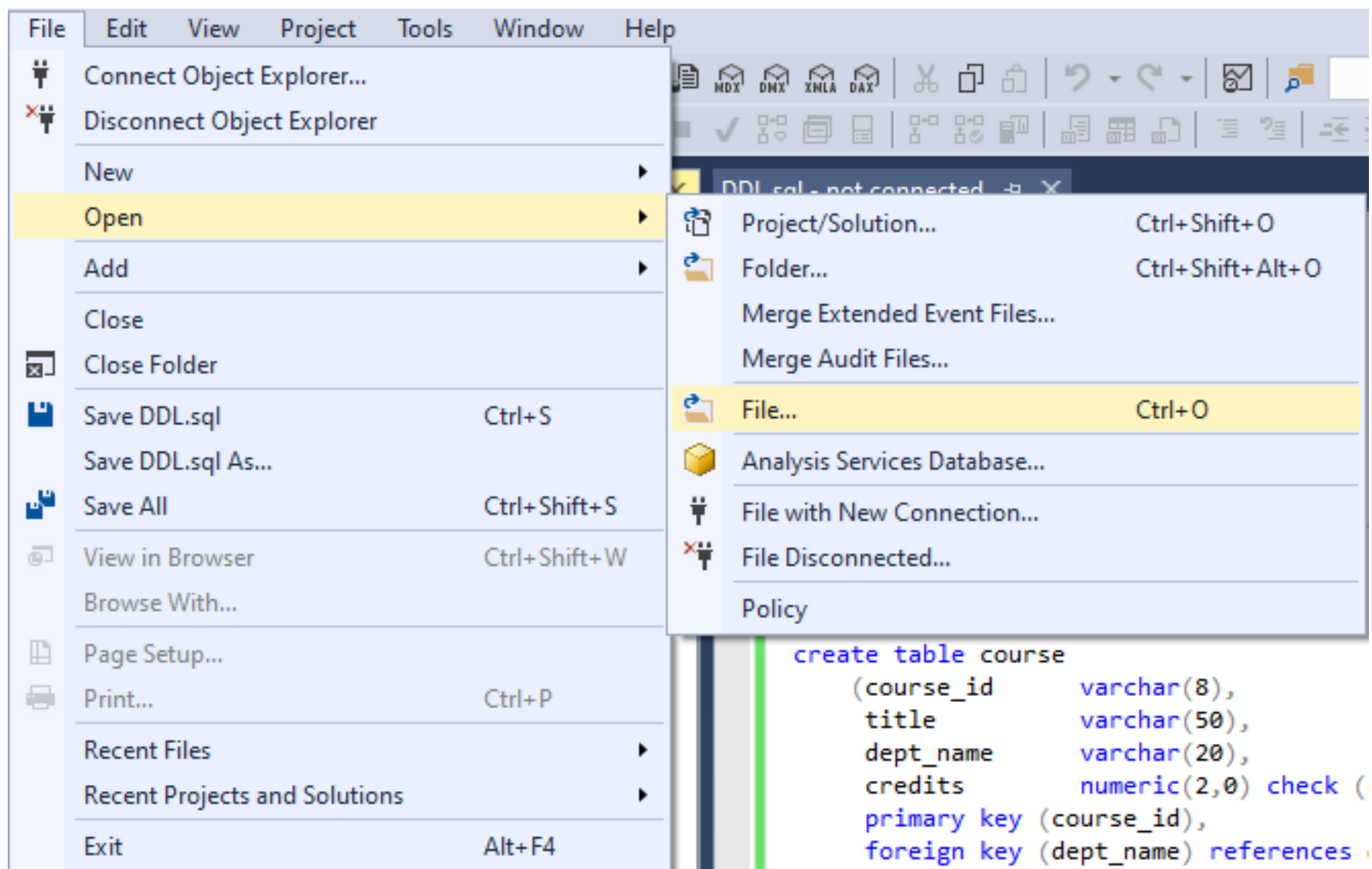
Ready

Add Remove

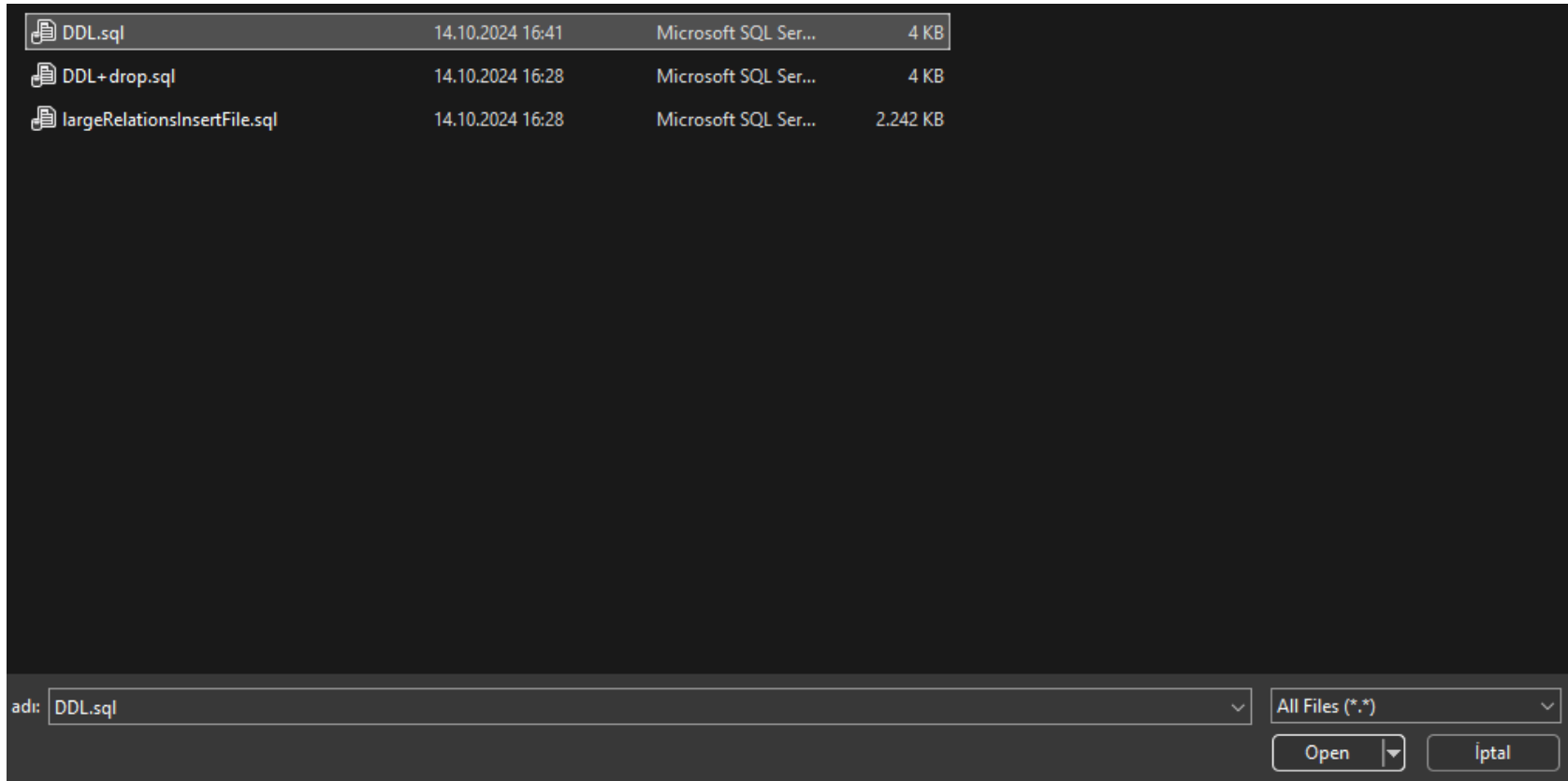
OK Cancel



Veri tabanının adı  
girilir.



Tabloları oluşturmak için yazılan sql komutlarının bulunduğu dosya SQL Manager üzerinde açılır.



İlgili sql dosyası seçilir.

```
use universite;

create table classroom
(
    building      varchar(15),
    room_number   varchar(7),
    capacity       numeric(4,0),
    primary key (building, room_number)
);

create table department
(
    dept_name      varchar(20),
    building        varchar(15),
    budget          numeric(12,2) check (budget > 0),
    primary key (dept_name)
);

create table course
(
    course_id      varchar(8),
    title           varchar(50),
    dept_name       varchar(20),
    credits         numeric(2,0) check (credits > 0),
    primary key (course_id),
    foreign key (dept_name) references department (dept_name)
    on delete set null
);

create table instructor
(
    ID              varchar(5),
    name            varchar(20) not null,
    dept_name        varchar(20),
    salary          numeric(8,2) check (salary > 29000),
    primary key (ID),
    foreign key (dept_name) references department (dept_name)
    on delete set null
);
```

Sql dosyasının içeriği

```

use universite;

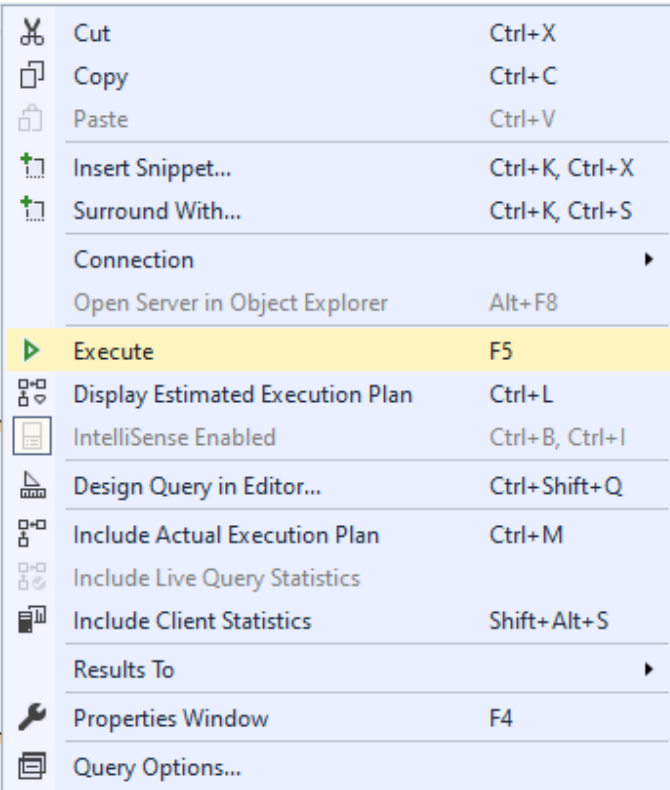
create table classroom
(
    building      varchar(15),
    room_number   varchar(7),
    capacity      numeric(4,0),
    primary key (building, room_number)
);

create table department
(
    dept_name      varchar(20),
    building        varchar(15),
    budget          numeric(12,2) check (budget > 0),
    primary key (dept_name)
);

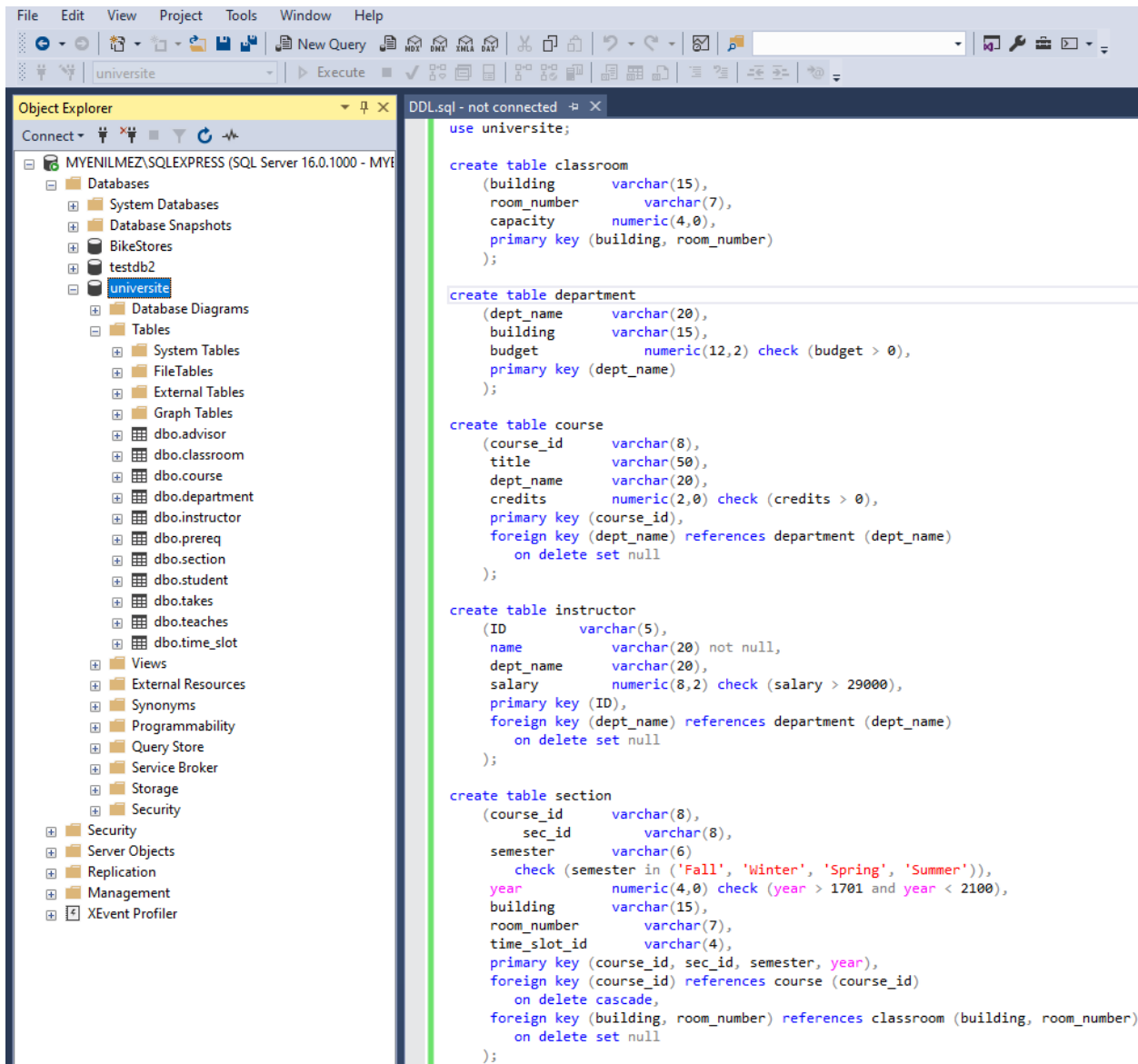
create table course
(
    course_id      varchar(8),
    title           varchar(50),
    dept_name       varchar(20),
    credits         numeric(2,0) check (credits > 0),
    primary key (course_id),
    foreign key (dept_name) references department (dept_name)
    on delete set null
);

create table instructor
(
    ID              varchar(5),
    name            varchar(20) not null,
    dept_name        varchar(20),
    salary          numeric(8,2) check (salary > 29000),
    primary key (ID),
    foreign key (dept_name) references department (dept_name)
    on delete set null
);

```



“use universite;” komutu eklenerek tabloların oluşturulacağı veritabanı seçilir ve Execute ile komutlar yürütülür.



Yürütülen komutlar sonucu 11 adet tablo oluşturulmuş olmaktadır.



File Edit View Query Project Tools Window Help

universite Execute

Object Explorer

Connect

MYENILMEZ\SQLEXPRESS (SQL Server 16.0.1000 - MY)

Databases

System Databases

Database Snapshots

BikeStores

testdb2

universite

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.advisor

dbo.classroom

dbo.course

dbo.department

dbo.instructor

dbo.prereq

dbo.section

dbo.student

dbo.takes

dbo.teaches

dbo.time\_slot

Views

External Resources

Synonyms

Programmability

Query Store

Service Broker

Storage

Security

Security

Server Objects

Replication

Management

XEvent Profiler

largeRelationsInse...EZ\myenilmez (59) DDL.sql - not connected

use universite;

```

delete from prereq;
delete from time_slot;
delete from advisor;
delete from takes;
delete from student;
delete from teaches;
delete from section;
delete from instructor;
delete from course;
delete from department;
delete from classroom;
insert into time_slot values ('A', 'M', 8, 0, 8, 50);
insert into time_slot values ('A', 'W', 8, 0, 8, 50);
insert into time_slot values ('A', 'F', 8, 0, 8, 50);
insert into time_slot values ('B', 'M', 9, 0, 9, 50);
insert into time_slot values ('B', 'W', 9, 0, 9, 50);
insert into time_slot values ('B', 'F', 9, 0, 9, 50);
insert into time_slot values ('C', 'M', 11, 0, 11, 50);
insert into time_slot values ('C', 'W', 11, 0, 11, 50);
insert into time_slot values ('C', 'F', 11, 0, 11, 50);
insert into time_slot values ('D', 'M', 13, 0, 13, 50);
insert into time_slot values ('D', 'W', 13, 0, 13, 50);
insert into time_slot values ('D', 'F', 13, 0, 13, 50);
insert into time_slot values ('E', 'T', 10, 30, 11, 45);
insert into time_slot values ('E', 'R', 10, 30, 11, 45);
insert into time_slot values ('F', 'T', 14, 30, 15, 45);
insert into time_slot values ('F', 'R', 14, 30, 15, 45);
insert into time_slot values ('G', 'M', 16, 0, 16, 50);
insert into time_slot values ('G', 'W', 16, 0, 16, 50);
insert into time_slot values ('G', 'F', 16, 0, 16, 50);
insert into time_slot values ('H', 'W', 10, 0, 12, 30);
insert into classroom values('Lamberton', 134, 10);
insert into classroom values('Chandler', 375, 10);
insert into classroom values('Fairchild', 145, 27);
insert into classroom values('Nassau', 45, 92);
insert into classroom values('Grace', 40, 34);
insert into classroom values('Whitman', 134, 120);
insert into classroom values('Lamberton', 143, 10);
insert into classroom values('Taylor', 812, 115);
insert into classroom values('Saucon', 113, 109);
insert into classroom values('Painter', 86, 97);
insert into classroom values('Alumni', 547, 26);
insert into classroom values('Alumni', 143, 47);
insert into classroom values('Drown', 757, 18);
insert into classroom values('Saucon', 180, 15);
insert into classroom values('Whitman', 434, 32);
insert into classroom values('Saucon', 844, 24);
insert into classroom values('Bronfman', 700, 12);
insert into classroom values('Polya', 808, 28);
insert into classroom values('Gates', 707, 65);
insert into classroom values('Gates', 314, 10);
insert into classroom values('Main', 45, 30);
insert into classroom values('Taylor', 183, 71);
insert into classroom values('Power', 972, 10);
insert into classroom values('Garfield', 119, 59);
insert into classroom values('Rathbone', 261, 60);
insert into classroom values('Stabler', 105, 113);
insert into classroom values('Power', 717, 12);
insert into classroom values('Main', 425, 22);
insert into classroom values('Lambeau', 348, 51);
insert into classroom values('Chandler', 804, 11);
insert into department values('Civil Eng.', 'Chandler', 255041.46);
insert into department values('Biology', 'Candlestick', 647610.55);
insert into department values('History', 'Taylor', 699140.86);
insert into department values('Physics', 'Wrigley', 942162.76);
insert into department values('Marketing', 'Lambeau', 210627.58);
insert into department values('Pol. Sci.', 'Whitman', 573745.09);
insert into department values('English', 'Palmer', 611042.66);
insert into department values('Accounting', 'Saucon', 441840.92);
insert into department values('Comp. Sci.', 'Lamberton', 106378.69);
insert into department values('Languages', 'Linderman', 601283.60);
insert into department values('Finance', 'Candlestick', 866831.75);
insert into department values('Geology', 'Palmer', 406557.03);

```

largeRelationsInsertFile.sql dosyası açılıp yürütülerek veri tabanına örnek veriler eklenir. Burada farklı tablolar için örnekler mevcuttur.