create database Fakultet2019;

go

use Fakultet2019;

go

CREATE TABLE [dbo].[ispit] (

 [brojIndeksa] [nvarchar] (10) NOT NULL ,

 [idPredmeta] [int] NOT NULL ,

 [idNastavnika] [int] NOT NULL ,

 [datum] [datetime] NOT NULL ,

 [ocena] [tinyint] NOT NULL

)

GO

CREATE TABLE [dbo].[katedra] (

 [idKatedre] [int] NOT NULL ,

 [naziv] [nvarchar] (30) NOT NULL

)

GO

CREATE TABLE [dbo].[mesto] (

 [ptt] [bigint] NOT NULL ,

 [naziv] [nvarchar] (30) NOT NULL

)

GO

CREATE TABLE [dbo].[nastavnik] (

 [idNastavnika] [int] NOT NULL ,

 [ime] [nvarchar] (30) NOT NULL ,

 [prezime] [nvarchar] (30) NOT NULL ,

 [zvanje] [nvarchar] (30) NOT NULL ,

 [plata] [money] NULL ,

 [putniTrosak] [real] NULL ,

 [ptt] [bigint] NULL

)

GO

CREATE TABLE [dbo].[predaje] (

 [idNastavnika] [int] NOT NULL ,

 [idPredmeta] [int] NOT NULL ,

 [brojCasova] [tinyint] NOT NULL

)

GO

CREATE TABLE [dbo].[predmet] (

 [idPredmeta] [int] NOT NULL ,

 [nazivPredmeta] [nvarchar] (50) NOT NULL ,

 [idKatedre] [int] NOT NULL

)

GO

CREATE TABLE [dbo].[slusa] (

 [brojIndeksa] [nvarchar] (10) NOT NULL ,

 [idPredmeta] [int] NOT NULL

)

GO

CREATE TABLE [dbo].[student] (

 [brojIndeksa] [nvarchar] (10) NOT NULL ,

 [ime] [nvarchar] (30) NOT NULL ,

 [prezime] [nvarchar] (30) NOT NULL ,

 [adresa] [nvarchar] (30) NOT NULL ,

 [datumRodjenja] [datetime] NOT NULL ,

 [godStudija] [tinyint] NOT NULL ,

 [ptt] [bigint] NOT NULL

)

GO

ALTER TABLE [dbo].[ispit] ADD

 CONSTRAINT [PK\_ispit] PRIMARY KEY CLUSTERED

 (

 [brojIndeksa],

 [idPredmeta]

 )

GO

ALTER TABLE [dbo].[katedra] ADD

 CONSTRAINT [PK\_katedra] PRIMARY KEY CLUSTERED

 (

 [idKatedre]

 )

GO

ALTER TABLE [dbo].[mesto] ADD

 CONSTRAINT [PK\_mesto] PRIMARY KEY CLUSTERED

 (

 [ptt]

 )

GO

ALTER TABLE [dbo].[nastavnik] ADD

 CONSTRAINT [PK\_nastavnik] PRIMARY KEY CLUSTERED

 (

 [idNastavnika]

 )

GO

ALTER TABLE [dbo].[predaje] ADD

 CONSTRAINT [PK\_predaje] PRIMARY KEY CLUSTERED

 (

 [idNastavnika],

 [idPredmeta]

 )

GO

ALTER TABLE [dbo].[predmet] ADD

 CONSTRAINT [PK\_predmet] PRIMARY KEY CLUSTERED

 (

 [idPredmeta]

 )

GO

ALTER TABLE [dbo].[slusa] ADD

 CONSTRAINT [PK\_slusa] PRIMARY KEY CLUSTERED

 (

 [brojIndeksa],

 [idPredmeta]

 )

GO

ALTER TABLE [dbo].[student] ADD

 CONSTRAINT [PK\_student] PRIMARY KEY CLUSTERED

 (

 [brojIndeksa]

 )

GO

ALTER TABLE [dbo].[predmet] ADD

 CONSTRAINT [AK\_predmet] UNIQUE ([nazivPredmeta])

GO

ALTER TABLE [dbo].[predaje] ADD

 CONSTRAINT [CK\_predaje] CHECK ([brojCasova]>0)

GO

ALTER TABLE [dbo].[ispit] ADD

 CONSTRAINT [DF\_ispit] DEFAULT '6' FOR [ocena]

GO

ALTER TABLE [dbo].[ispit] ADD

 CONSTRAINT [FK\_ispit\_predaje] FOREIGN KEY

 (

 [idNastavnika],

 [idPredmeta]

 ) REFERENCES [dbo].[predaje] (

 [idNastavnika],

 [idPredmeta]

 )

 ON UPDATE NO ACTION

 ON DELETE NO ACTION,

 CONSTRAINT [FK\_ispit\_slusa] FOREIGN KEY

 (

 [brojIndeksa],

 [idPredmeta]

 ) REFERENCES [dbo].[slusa] (

 [brojIndeksa],

 [idPredmeta]

 )

 ON UPDATE NO ACTION

 ON DELETE NO ACTION

GO

ALTER TABLE [dbo].[nastavnik] ADD

 CONSTRAINT [FK\_nastavnik\_mesto] FOREIGN KEY

 (

 [ptt]

 ) REFERENCES [dbo].[mesto] (

 [ptt]

 ) ON UPDATE CASCADE

 ON DELETE NO ACTION

GO

ALTER TABLE [dbo].[predaje] ADD

 CONSTRAINT [FK\_predaje\_nastavnik] FOREIGN KEY

 (

 [idNastavnika]

 ) REFERENCES [dbo].[nastavnik] (

 [idNastavnika]

 ) ON UPDATE NO ACTION

 ON DELETE NO ACTION ,

 CONSTRAINT [FK\_predaje\_predmet] FOREIGN KEY

 (

 [idPredmeta]

 ) REFERENCES [dbo].[predmet] (

 [idPredmeta]

 ) ON UPDATE NO ACTION

 ON DELETE NO ACTION

GO

ALTER TABLE [dbo].[predmet] ADD

 CONSTRAINT [FK\_predmet\_katedra] FOREIGN KEY

 (

 [idKatedre]

 ) REFERENCES [dbo].[katedra] (

 [idKatedre]

 ) ON UPDATE CASCADE

 ON DELETE NO ACTION

GO

ALTER TABLE [dbo].[slusa] ADD

 CONSTRAINT [FK\_slusa\_predmet] FOREIGN KEY

 (

 [idPredmeta]

 ) REFERENCES [dbo].[predmet] (

 [idPredmeta]

 ) ON UPDATE NO ACTION

 ON DELETE NO ACTION ,

 CONSTRAINT [FK\_slusa\_student] FOREIGN KEY

 (

 [brojIndeksa]

 ) REFERENCES [dbo].[student] (

 [brojIndeksa]

 ) ON UPDATE NO ACTION

 ON DELETE NO ACTION

GO

ALTER TABLE [dbo].[student] ADD

 CONSTRAINT [FK\_student\_mesto] FOREIGN KEY

 (

 [ptt]

 ) REFERENCES [dbo].[mesto] (

 [ptt]

 ) ON UPDATE CASCADE

 ON DELETE NO ACTION

GO