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