CREATE SCHEMA ORMModel1

GO

GO

CREATE TABLE ORMModel1.Officer

(

officerName nvarchar(max) NOT NULL,

eventName nvarchar(20) NOT NULL,

titleCode nchar(4000) NOT NULL,

ID int,

addressAddr nvarchar(max),

ageNr int,

officeName nvarchar(20),

CONSTRAINT Officer\_PK PRIMARY KEY(officerName)

)

GO

CREATE VIEW ORMModel1.Officer\_UC (ID)

WITH SCHEMABINDING

AS

SELECT ID

FROM

ORMModel1.Officer

WHERE ID IS NOT NULL

GO

CREATE UNIQUE CLUSTERED INDEX Officer\_UCIndex ON ORMModel1.Officer\_UC(ID)

GO

CREATE TABLE ORMModel1.ID

(

ID int IDENTITY (1, 1) NOT NULL,

CONSTRAINT ID\_PK PRIMARY KEY(ID)

)

GO

CREATE TABLE ORMModel1.Address

(

addressAddr nvarchar(max) NOT NULL,

officeName nvarchar(20),

CONSTRAINT Address\_PK PRIMARY KEY(addressAddr)

)

GO

CREATE VIEW ORMModel1.Address\_UC (officeName)

WITH SCHEMABINDING

AS

SELECT officeName

FROM

ORMModel1.Address

WHERE officeName IS NOT NULL

GO

CREATE UNIQUE CLUSTERED INDEX Address\_UCIndex ON ORMModel1.Address\_UC(officeName)

GO

CREATE TABLE ORMModel1.ResponsibilityDescription

(

responsibilityDescriptionTxt nvarchar(500) NOT NULL,

titleCode nchar(4000) NOT NULL,

volunteerName nvarchar(max) NOT NULL,

CONSTRAINT ResponsibilityDescription\_PK PRIMARY KEY(responsibilityDescriptionTxt),

CONSTRAINT ResponsibilityDescription\_UC1 UNIQUE(titleCode),

CONSTRAINT ResponsibilityDescription\_UC2 UNIQUE(volunteerName)

)

GO

CREATE TABLE ORMModel1."Employment Dates"

(

officeName nvarchar(20) NOT NULL,

officerName nvarchar(max) NOT NULL,

startDate date NOT NULL,

endDate date NOT NULL,

CONSTRAINT "Employment Dates\_PK" PRIMARY KEY(officerName, startDate, officeName)

)

GO

CREATE TABLE ORMModel1.Volunteer

(

volunteerName nvarchar(max) NOT NULL,

addressAddr nvarchar(max),

ageNr int,

officeName nvarchar(20),

CONSTRAINT Volunteer\_PK PRIMARY KEY(volunteerName)

)

GO

CREATE TABLE ORMModel1.Event

(

eventName nvarchar(20) NOT NULL,

eventAddressAddr nvarchar(20) NOT NULL,

eventCodeNr int NOT NULL,

eventPhoneNrTxt nvarchar(max) NOT NULL,

guestsNr int NOT NULL,

CONSTRAINT Event\_PK PRIMARY KEY(eventName),

CONSTRAINT Event\_UC UNIQUE(eventCodeNr)

)

GO

CREATE TABLE ORMModel1.EventCode

(

eventCodeNr int IDENTITY (1, 1) NOT NULL,

CONSTRAINT EventCode\_PK PRIMARY KEY(eventCodeNr)

)

GO

CREATE TABLE ORMModel1.EventHasAVolunteerWithVolunteerReqDateAndVolunteerEndDate

(

eventName nvarchar(20) NOT NULL,

volunteerName nvarchar(max) NOT NULL,

volunteerReqDate date NOT NULL,

volunteerEndDate date NOT NULL,

CONSTRAINT EventHasAVolunteerWithVolunteerReqDateAndVolunteerEndDate\_PK PRIMARY KEY(eventName, volunteerName, volunteerReqDate)

)

GO

ALTER TABLE ORMModel1.Officer ADD CONSTRAINT Officer\_FK1 FOREIGN KEY (ID) REFERENCES ORMModel1.ID (ID) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

ALTER TABLE ORMModel1.Officer ADD CONSTRAINT Officer\_FK2 FOREIGN KEY (addressAddr) REFERENCES ORMModel1.Address (addressAddr) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

ALTER TABLE ORMModel1.Officer ADD CONSTRAINT Officer\_FK3 FOREIGN KEY (eventName) REFERENCES ORMModel1.Event (eventName) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

ALTER TABLE ORMModel1.ResponsibilityDescription ADD CONSTRAINT ResponsibilityDescription\_FK FOREIGN KEY (volunteerName) REFERENCES ORMModel1.Volunteer (volunteerName) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

ALTER TABLE ORMModel1."Employment Dates" ADD CONSTRAINT "Employment Dates\_FK" FOREIGN KEY (officerName) REFERENCES ORMModel1.Officer (officerName) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

ALTER TABLE ORMModel1.Volunteer ADD CONSTRAINT Volunteer\_FK FOREIGN KEY (addressAddr) REFERENCES ORMModel1.Address (addressAddr) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

ALTER TABLE ORMModel1.Event ADD CONSTRAINT Event\_FK FOREIGN KEY (eventCodeNr) REFERENCES ORMModel1.EventCode (eventCodeNr) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

ALTER TABLE ORMModel1.EventHasAVolunteerWithVolunteerReqDateAndVolunteerEndDate ADD CONSTRAINT EventHasAVolunteerWithVolunteerReqDateAndVolunteerEndDate\_FK1 FOREIGN KEY (eventName) REFERENCES ORMModel1.Event (eventName) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

ALTER TABLE ORMModel1.EventHasAVolunteerWithVolunteerReqDateAndVolunteerEndDate ADD CONSTRAINT EventHasAVolunteerWithVolunteerReqDateAndVolunteerEndDate\_FK2 FOREIGN KEY (volunteerName) REFERENCES ORMModel1.Volunteer (volunteerName) ON DELETE NO ACTION ON UPDATE NO ACTION

GO

GO