

USE BUDT702\_Project\_0504\_10

-- SQL drop tables:

```
DROP TABLE IF EXISTS [TerpZone.Registers];
DROP TABLE IF EXISTS [TerpZone.BowlingAlley];
DROP TABLE IF EXISTS [TerpZone.Player];
DROP TABLE IF EXISTS [TerpZone.Payment];
DROP TABLE IF EXISTS [TerpZone.Customer];
DROP TABLE IF EXISTS [TerpZone.Employee];
```

-- SQL create tables:

```
CREATE TABLE [TerpZone.Employee] (
    employeeEmail VARCHAR(40) NOT NULL,
    employeeFirstName VARCHAR(20),
    employeeLastName VARCHAR(20),
    employeeEmailSupervisor VARCHAR(40),
    CONSTRAINT pk_Employee_employeeEmail PRIMARY KEY (employeeEmail),
    CONSTRAINT fk_Employee_employeeEmailSupervisor FOREIGN KEY
    (employeeEmailSupervisor)
    REFERENCES [TerpZone.Employee] (employeeEmail)
    ON DELETE NO ACTION ON UPDATE NO ACTION)
```

```
CREATE TABLE [TerpZone.Customer] (
    customerEmail VARCHAR(40) NOT NULL,
    customerType VARCHAR(20),
    customerStartTime TIME,
    customerEndTime TIME,
    customerTotalPlayers INT,
    customerShoePrice DECIMAL (4,2),
    customerSockPrice DECIMAL (4,2),
    customerNoonPrice DECIMAL (4,2),
    customerRegularPrice DECIMAL (4,2)
    CONSTRAINT pk_Customer_customerEmail PRIMARY KEY (customerEmail))
```

```
CREATE TABLE [TerpZone.Payment] (
    paymentId CHAR(5) NOT NULL,
    paymentTotalAmount DECIMAL(5,2),
    CONSTRAINT pk_Payment_paymentId PRIMARY KEY (paymentId))
```

```
CREATE TABLE [TerpZone.Player] (
    playerId CHAR(5) NOT NULL,
    playerName VARCHAR(20),
    playerGender VARCHAR,
    playerDOB DATE,
    customerEmail VARCHAR(40),
    CONSTRAINT pk_Players_playerId PRIMARY KEY (playerId),
    CONSTRAINT fk_Players_customerEmail FOREIGN KEY (customerEmail)
    REFERENCES [TerpZone.Customer] (customerEmail)
    ON DELETE CASCADE ON UPDATE CASCADE)
```

```
CREATE TABLE [TerpZone.BowlingAlley] (
    bowlingAlleyId CHAR(4) NOT NULL,
    bowlingLane CHAR(2),
    bowlingAlleyStatus VARCHAR(20),
    bowlingAlleyHighScore INTEGER,
    customerEmail VARCHAR(40),
    CONSTRAINT pk_BowlingAlley_bowlingAlleyId PRIMARY KEY (bowlingAlleyId),
```

```
CONSTRAINT fk_BowlingAlley_customerEmail FOREIGN KEY (customerEmail)
REFERENCES [TerpZone.Customer] (customerEmail)
ON DELETE CASCADE ON UPDATE CASCADE)
```

```
CREATE TABLE [TerpZone.Registers] (
customerEmail VARCHAR(40) NOT NULL,
employeeEmail VARCHAR(40) NOT NULL,
paymentId CHAR(5) NOT NULL,
date DATE,
CONSTRAINT pk_Registers_customerEmail PRIMARY KEY (customerEmail),
CONSTRAINT fk_Registers_customerEmail FOREIGN KEY (customerEmail)
REFERENCES [TerpZone.Customer] (customerEmail)
ON DELETE NO ACTION ON UPDATE NO ACTION,
CONSTRAINT fk_Registers_employeeEmail FOREIGN KEY (employeeEmail)
REFERENCES [TerpZone.Employee] (employeeEmail)
ON DELETE NO ACTION ON UPDATE NO ACTION,
CONSTRAINT fk_Registers_paymentId FOREIGN KEY (paymentId)
REFERENCES [TerpZone.Payment] (paymentId)
ON DELETE NO ACTION ON UPDATE NO ACTION)
```