gsf v9

hir12

November 2022

```sql
-- spurning 1

CREATE TABLE Stars (
    name VARCHAR(255),
    address VARCHAR(255),
    PRIMARY KEY (name)
);

CREATE TABLE StarsIn (
    starName VARCHAR(255),
    movieTitle VARCHAR(255),
    movieYear CHAR(4),
    PRIMARY KEY (starName, movieTitle, movieYear),
    FOREIGN KEY (starName) REFERENCES Stars (name),
    FOREIGN KEY (movieTitle, movieYear) REFERENCES Movies (title, year)
);

CREATE TABLE Movies (
    title VARCHAR (255),
    year CHAR(4),
    length int,
    genre VARCHAR (255),
    PRIMARY KEY (title, year)
);

CREATE TABLE Studios (
    name VARCHAR(255),
    address VARCHAR(255),
    PRIMARY KEY (name)
);
```

```sql
-- spurning 2

CREATE TABLE Crews (
    number int,
    crewChief VARCHAR(255),
    studioName VARCHAR(255) NOT NULL,
    PRIMARY KEY (number),
    FOREIGN KEY (studioName) REFERENCES Studios (name)
);

CREATE TABLE Studios (
    name VARCHAR(255),
    addr VARCHAR(255),
    PRIMARY KEY (name),
);




-- spurning 3

CREATE TABLE Bookings (
    row int,
    seat CHAR (1),
    custSSNo VARCHAR (255) NOT NULL,
    flNumber VARCHAR (255) NOT NULL,
    flDay VARCHAR (255) NOT NULL,
    FOREIGN KEY (flDay, flNumber) REFERENCES Flights (day, number),
    FOREIGN KEY (custSSNo) REFERENCES Customers (SSNo)
);

CREATE TABLE Customers (
    SSNo VARCHAR (255),
    name VARCHAR (255),
    addr VARCHAR (255),
    phone CHAR (7),
    PRIMARY KEY (SSNo)
);

CREATE TABLE Flights (
    number VARCHAR (255),
    day VARCHAR (255),
    aircraft VARCHAR (255),
    PRIMARY KEY (number, day)
);
```