

```
DROP TABLE IF EXISTS Movies;
DROP TABLE IF EXISTS Directors;
DROP TABLE IF EXISTS Actors;
DROP TABLE IF EXISTS Persons;
```

--Persons Table

```
CREATE TABLE Persons(
Pid SERIAL,
Aid SERIAL,
Did SERIAL,
Name TEXT NOT NULL,
Address TEXT NOT NULL,
PRIMARY KEY(Pid)
);
```

-- Movies Table

```
CREATE TABLE Movies(
Mid SERIAL,
Main_Actor TEXT NOT NULL,
Main_Director TEXT NOT NULL,
name TEXT NOT NULL,
Release_Date DATE NOT NULL,
Domestic_Sales INT,
Foreign_Sales INT,
DVDBluray_Sales INT,
PRIMARY KEY(Mid)
);
```

-- Directors Table

```
CREATE TABLE Directors(
Did SERIAL REFERENCES Persons(Pid),
Film_School TEXT,
DirectorsGuild_Date INT NOT NULL,
PRIMARY KEY(Did)
);
```

-- Actors Table

```
CREATE TABLE Actors(
Aid SERIAL REFERENCES Persons(Pid),
Height_Inches INT NOT NULL,
Weight_LBS INT NOT NULL,
Hair_Color TEXT NOT NULL,
Eye_Color TEXT NOT NULL,
Birthday DATE NOT NULL,
ActorsGuild_Date INT NOT NULL,
PRIMARY KEY(Aid)
);
```

--Insert Persons

```
INSERT INTO Persons (Name, Address)
VALUES ('James Cameron', '15 Hollywood Ln'),
       ('Steven Spielberg', '16 Hollywood Ln'),
       ('Sean Connery', '007 Hollywood Ln'),
       ('Harrison Ford', '10 Hollywood Ln');
```

--Insert Directors

```
INSERT INTO Directors(Film_School, DirectorsGuild_Date)
VALUES ('Fullerton College', '1976'),
       ('California State University', '1963');
```

--Insert Actors

```
INSERT INTO Actors(Birthday, Height_Inches, Weight_LBS, Hair_Color, Eye_Color, ActorsGuild_Date)
VALUES ('1942-07-13', '74', '180', 'brown', 'brown', '1954'),
       ('1930-08-30', '73', '175', 'brown', 'green', '1966');
```

--Insert Movies

```
INSERT INTO Movies(Main_Actor, Main_Director, Name, Release_Date, Domestic_Sales,
Foreign_Sales,DVDBluray_Sales)
VALUES ('Harrison Ford', 'Steven Spielberg', 'The Last Crusade', '1989-05-29', '450000000', '20000000',
       '0000000'),
       ('Sean Connery', 'Guy Hamilton', 'GoldFinger', '1964-09-18', '100000000', '2000000', '1000000');
```

--Functional Dependencies: All non-primary key columns are individually dependent on the Primary key in its respective table.

```
SELECT Movies.Main_Director FROM Movies
WHERE Movies.Main_Actor = 'Sean Connery';
```