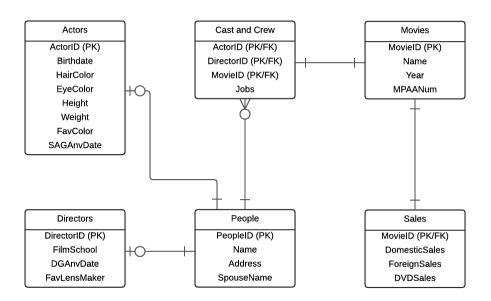
1. A fully decorated and aesthetically beautiful E/R diagram.



2. SQL create statements for each table.

```
CREATE TABLE Directors (
```

DirectorID char(100) not null,

FilmSchool text,

DGAnvDate date,

FavLensMaker text,

PRIMARY KEY (DirectorID)

);

CREATE TABLE Actors (

ActorID char(100) not null,

```
Birthdate date,
 HairColor text,
 EyeColor text,
 Height integer,
 Weight integer,
 FavColor text,
 SAGAnvDate date,
PRIMARY KEY (ActorID)
);
CREATE TABLE Movies (
 MovieID char(100) not null,
 Name text,
 Year integer,
 MPAANum integer,
PRIMARY KEY (MovieID)
);
CREATE TABLE People (
 PeopleID char(100) not null,
 Name text,
 Address varchar(100),
 SpouseName text,
PRIMARY KEY (PeopleID)
);
```

```
CREATE TABLE Sales (
 MovieID char(100) not null references Movies(MovieID),
 DomesticSales numeric(12, 2),
 ForeignSales numeric(12, 2),
 DVDSales numeric(12, 2),
 PRIMARY KEY (MovieID)
);
CREATE TABLE Cast_and_Crew (
 ActorID char(100) not null references Actors(ActorID),
 DirectorID char(100) not null references Directors(DirectorID),
 MovieID char(100) not null references Movies(MovieID),
 Jobs char(100),
 PRIMARY KEY(ActorID, DirectorID, MovieID)
);
   3. Functional dependencies for each table.
DirectorID |--> FilmSchool, DGAnvDate, FavLensMaker
ActorID |--> Birthdate, HairColor, EyeColor, Height, Weight, FavColor, SAGAnvDate
MovieID |--> Name, Year, MPAANum, DomesticSales, ForeignSales, DVDSales
PeopleID |--> Name, Address, SpouseName
(ActorID, DirectorID, MovieID) |--> Jobs
   4. Write a query to show all the directors with whom actor "Keanu Reeves" has worked.
```

SELECT name

FROM Directors

WHERE DirectorID (SELECT DirectorID

FROM Cast_and_Crew

WHERE MovieID (SELECT MovieID

FROM Cast_and_Crew

WHERE ActorID IN (SELECT ActorID

FROM Actors

WHERE name = 'Keanu Reeves')));