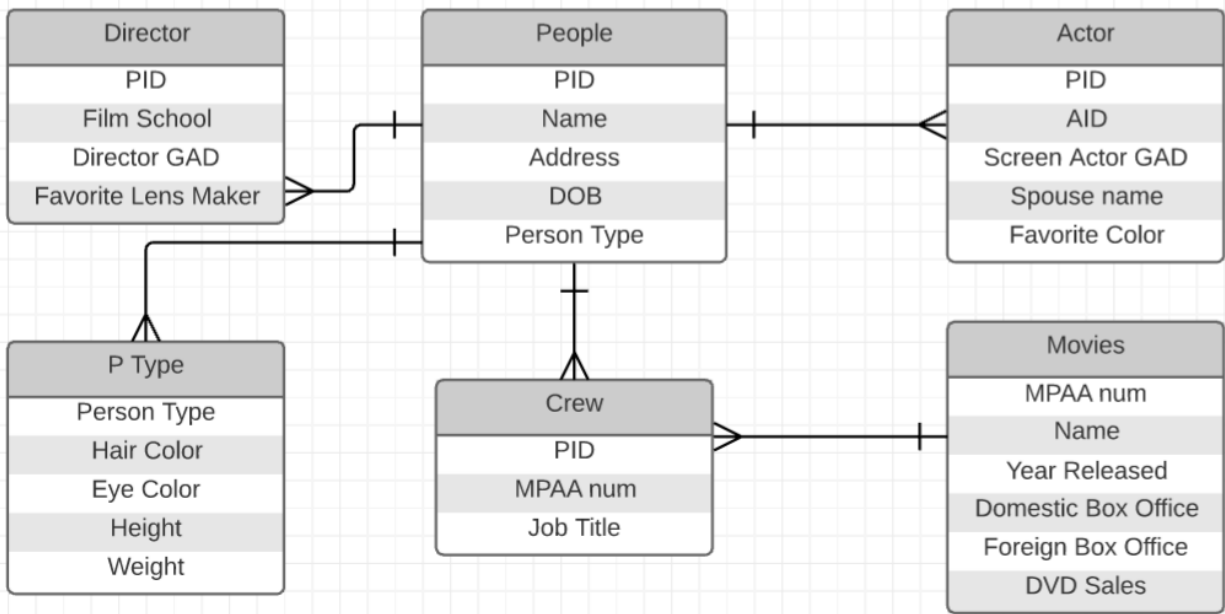


Lab 8

1. ER Diagram



2.

```

create table if not exists People(
  PID INT not null,
  Name text,
  Address text,
  BirthDate int not null,
  TypeP text,
  primary key (PID)
);
  
```

```

create table if not exists Director(
  PID INT not null,
  FilmSchoolAttended text,
  DirectorGAD text,
  FavlensMaker text,
  primary key (PID)
);
  
```

```

create table if not exists Actor(
  PID INT not null,
  AID INT NOT NULL,
  ScreenActorGAD text,
  
```

```
Spouse text,  
FavColor text,  
primary key (PID)  
);
```

```
create table if not exists P_Type(  
TypeP INT not null,  
HairColor text,  
EyeColor text,  
Height text,  
Weight text,  
primary key (Type_P)  
);
```

```
create table if not exists Crew(  
PID INT not null,  
MPAA INT not null,  
JobTitle text,  
primary key (PID)  
);
```

```
create table if not exists Movies(  
MPAA INT not null,  
Name text,  
YearReleased INT not null,  
DomesticBoxOffice INT not null,  
ForeignBoxOffice INT not null,  
DVD INT not null,  
primary key (MPAA)  
);
```

3. Functional Dependencies:

People

PID → Name, Address, BirthDate, TypeP

Director

PID → Name, Film school attended, Director GAD, Fav lens maker

Actor

PID → Name, AID, Screen Actor GAD, Spouse, Fav color

Person Type

TypeP → Hair color, eye color, height, weight

Crew

PID, MPAA → Job title

Movies

MPAA → Name, Year released, domestic box office, foreign box office, DVD sale

4. Select name
 From actor.a
 Inner Join director d on d.pid = c.pid
 Inner Join crew c on c.pid = p.pid
 Inner Join people p on p.pid = a.pid
Where a.name = "Keenu Reeves"