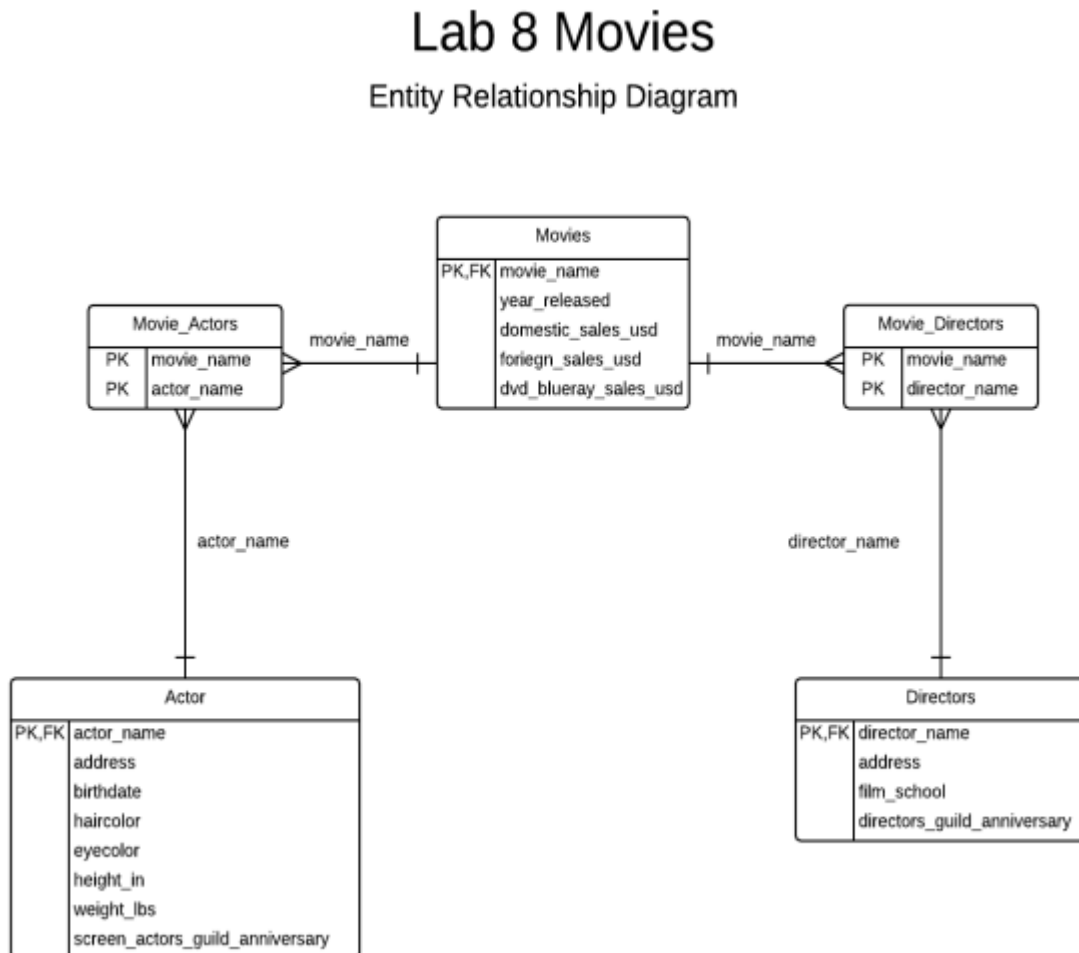


## Lab 08

1.)



2.)

```

CREATE TABLE Movies (
    movie_name      text not null,
    year_released   smallint CHECK(year_released > 1800),
    domestic_sales_usd numeric(12,2),
    foreign_sales_usd numeric(12,2),
    dvd_blueray_sales_usd numeric(12,2),
    PRIMARY KEY(movie_name)
);
  
```

```
CREATE TABLE Actors (  
    actor_name          text not null,  
    address             text,  
    birthdate          date,  
    eyecolor           char(15),  
    haircolor          char(15),  
    height_in          smallint CHECK(height_in > 0),  
    weight_lbs         smallint CHECK(weight_lbs > 0),  
    screen_actors_guild_anniversary date,  
    PRIMARY KEY(actor_name)  
);
```

```
CREATE TABLE Directors(  
    director_name      text not null,  
    address            text,  
    film_school        text,  
    directors_guild_anniversary date,  
    PRIMARY KEY(director_name)  
);
```

```
CREATE TABLE Movie_Actors(  
    movie_name text not null REFERENCES Movies(movie_name),  
    actor_name text not null REFERENCES Actors(actor_name),  
    PRIMARY KEY(movie_name,actor_name)  
);
```

```
CREATE TABLE Movie_Directors(  
    movie_name text not null REFERENCES Movies(movie_name),  
    director_name text not null REFERENCES Directors(director_name),  
    PRIMARY KEY(movie_name,director_name)  
);
```

3.)

```
INSERT INTO  
Movies(movie_name,year_released,domestic_sales_usd,foriegn_sales_usd,dvd_blueray_s  
ales_usd)  
VALUES('Entrapment',1999,87704396.00,124700000.00, 1500000.00),  
('Finding Forrester',2000, 51768623.00 , 28245000.00,1245555.00 ),  
('The League of Extraordinary Gentlemen',2003, 66465204.00, 112800000.00,  
36400000.00 ),  
('GoldenEye',1995,106429941.00,245764093.00,22389000.00);
```

```
INSERT INTO  
Actors(actor_name,address,birthdate,haircolor,eyecolor,height_in,weight_lbs,screen_acto  
rs_guild_anniversary)
```

```
VALUES('Sean Connery', 'Fake Address 3033, Podunk, NW 32113',  
'08-25-1930','brown','brown', 56, 216,'06-18-1954' );
```

```
INSERT INTO Actors(actor_name)  
VALUES('Catherine Zeta-Jones'),  
('Rob Brown'),  
('Stuart Townsend'),  
('Pierce Brosnan');
```

```
INSERT INTO
```

```
Directors(director_name,address,film_school,directors_guild_anniversary)
```

```
VALUES('Jon Amiel','Some Address 3933, NoWhere, NW 32033','University of  
Cambridge','03-24-1982');
```

```
INSERT INTO Directors(director_name)  
VALUES('Gus Van Sant'),  
('Stephen Norrington' ),  
('Martin Campbell');
```

```
INSERT INTO Movie_Actors(movie_name,actor_name)
```

```
VALUES('Entrapment','Sean Connery'),  
('Entrapment','Catherine Zeta-Jones'),  
('Finding Forrester','Sean Connery'),  
('Finding Forrester','Rob Brown'),  
('The League of Extraordinary Gentlemen','Sean Connery'),  
('The League of Extraordinary Gentlemen','Stuart Townsend'),  
('GoldenEye','Pierce Brosnan');
```

```
INSERT INTO Movie_Directors(movie_name,director_name)
```

```
VALUES('Entrapment','Jon Amiel'),  
('Finding Forrester','Gus Van Sant'),  
('The League of Extraordinary Gentlemen','Stephen Norrington'),  
('GoldenEye','Martin Campbell');
```

#### 4.) Movies

movie\_name -> the set and all subsets of  
{year\_released,domestic\_sales\_usd,foriegn\_sales\_usd,dvd\_blueray\_sales\_dvd}

#### Actors

actor\_name -> the set and all subsets of  
{address,birthdate,haircolor,eyecolor,height\_in,weight\_lbs,screen\_actors\_guild\_  
anniversary}

#### Directors

director\_name -> the set and all subsets of  
{address,film\_school,directors\_guild\_anniversary}

### Movie Actors

movie\_name,actor\_name -> \* None \*

### Movie Directors

movie\_name,director\_name -> \* None \*

5.)

```
select distinct movie_directors.director_name from movies
inner join movie_actors on movies.movie_name = movie_actors.movie_name
inner join movie_directors on movies.movie_name = movie_directors.movie_name
where movie_actors.actor_name = 'Sean Connery'
order by movie_directors.director_name ASC;
```