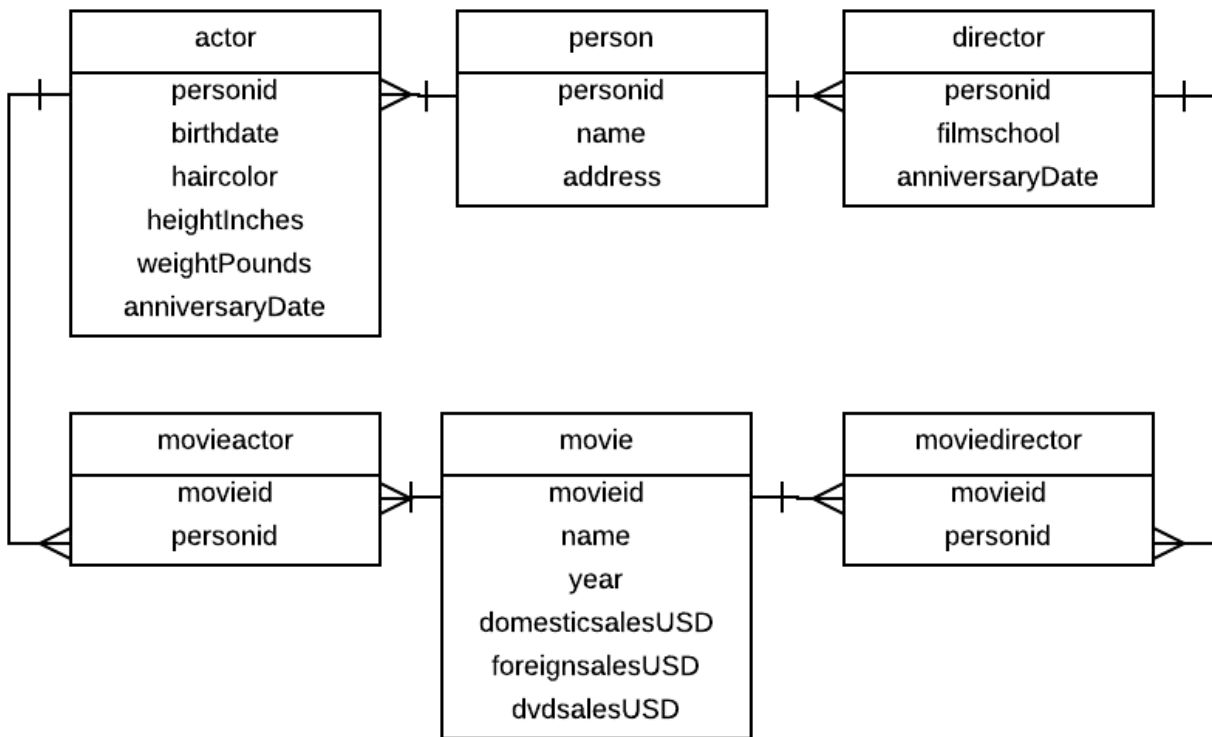


Jason Wong
Lab 8
4/4/2014
1.



2.

```
CREATE TABLE person (  
  personid INT PRIMARY KEY,  
  name TEXT NOT NULL,  
  address TEXT);
```

```
CREATE TABLE actor (  
  personid INT PRIMARY KEY REFERENCES person NOT NULL,  
  birthdate DATE,  
  haircolor TEXT,  
  heightInches INT,  
  weightPounds INT,  
  anniversaryDate DATE);
```

```
CREATE TABLE director (  
  personid INT PRIMARY KEY REFERENCES person NOT NULL,  
  filmschool TEXT,  
  anniversaryDate DATE);
```

```
CREATE TABLE movieactor (  
  movieid INT REFERENCES movie,
```

```
personid INT REFERENCES person,  
CONSTRAINT ma_pk PRIMARY KEY (movieid, personid));
```

```
CREATE TABLE moviedirector (  
    movieid INT REFERENCES movie,  
    personid INT REFERENCES person,  
    CONSTRAINT md_pk PRIMARY KEY (movieid, personid));
```

```
CREATE TABLE movie (  
    movieid INT PRIMARY KEY,  
    name TEXT NOT NULL,  
    year INT,  
    domesticsalesUSD INT,  
    foreignsalesUSD INT,  
    dvdsalesUSD INT);
```

3.

```
INSERT INTO person (personid, name, address)  
VALUES (0, 'Director Dude', 'Florida');
```

```
INSERT INTO person (personid, name, address)  
VALUES (1, 'Sean Connery', 'New York');
```

```
INSERT INTO person (personid, name, address)  
VALUES (2, 'Director Actor', 'California');
```

```
INSERT INTO actor (personid, birthdate, haircolor, heightInches,  
weightPounds, anniversaryDate)  
VALUES (1, DATE '1980-01-01', 'black', 60, 150, DATE '2000-01-01');
```

```
INSERT INTO actor (personid, birthdate, haircolor, heightInches,  
weightPounds, anniversaryDate)  
VALUES (2, DATE '1980-01-11', 'brown', 61, 151, DATE '2000-01-11');
```

```
INSERT INTO director (personid, filmschool, anniversaryDate)  
VALUES (0, 'Marist', DATE '2000-02-01');
```

```
INSERT INTO director (personid, filmschool, anniversaryDate)  
VALUES (2, 'NYU', DATE '2000-02-11');
```

```
INSERT INTO movie (movieid, name, year, domesticsalesUSD,  
foreignsalesUSD, dvdsalesUSD)  
VALUES (0, 'Movie 1', 2005, 5000000, 8000000, 50000000);
```

```
INSERT INTO movie (movieid, name, year, domesticsalesUSD,  
foreignsalesUSD, dvdsalesUSD)  
VALUES (1, 'Movie 1 2', 2006, 6000000, 9000000, 60000000);
```

```
INSERT INTO movieactor (movieid, personid)
```

```
VALUES (0, 1);
```

```
INSERT INTO movieactor (movieid, personid)
VALUES (0, 2);
```

```
INSERT INTO movieactor (movieid, personid)
VALUES (1, 2);
```

```
INSERT INTO moviedirector (movieid, personid)
VALUES (0, 0);
```

```
INSERT INTO moviedirector (movieid, personid)
VALUES (0, 2);
```

```
INSERT INTO moviedirector (movieid, personid)
VALUES (1, 2);
```

4.

Person: personid → name, address

Actor: personid → birthdate, haircolor, heightInches, weightPounds, anniversaryDate

Director: personid → filmschool, anniversaryDate

Moviedirector: none

Movieactor: none

Movie: movieid → name, year, domesticsalesUSD, dvdsalesUSD

5.

```
SELECT name FROM person WHERE personid IN(
SELECT personid FROM moviedirector WHERE movieid IN(
SELECT movieid FROM movieactor WHERE personid IN(
SELECT personid FROM person WHERE name = 'Sean Connery')));
```