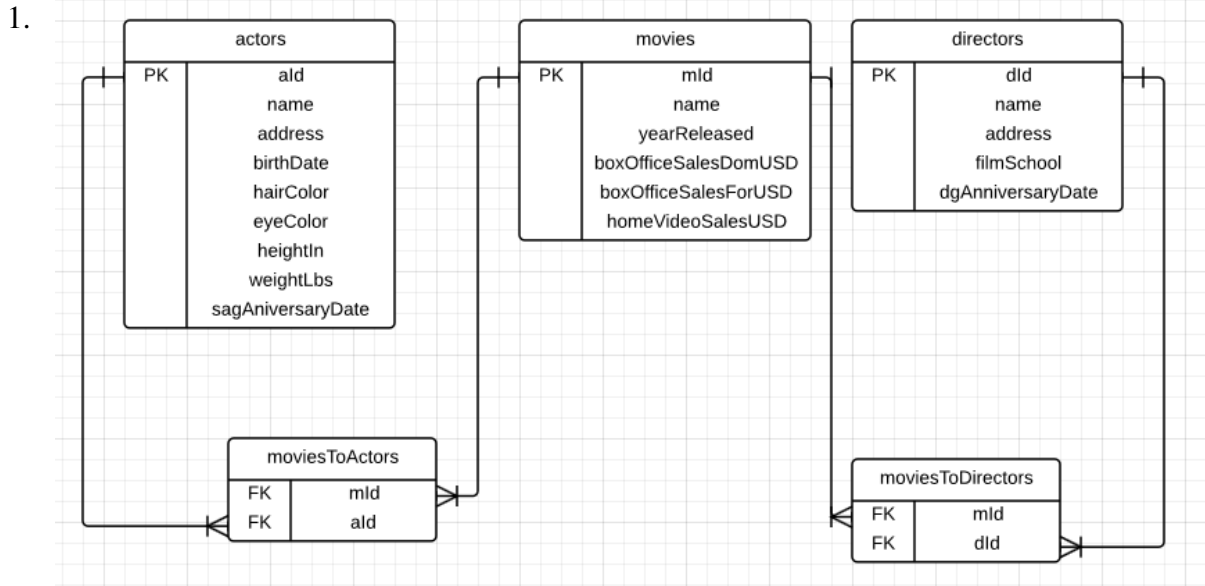


Mike Mucci
 Lab 8 - Normalization II
 Alan Labouseur
 4/3/2014



2.

```

CREATE TABLE actors(
    aId          TEXT NOT NULL,
    name         TEXT NOT NULL,
    address      TEXT,
    birthDate    DATE,
    hairColor    TEXT,
    eyeColor     TEXT,
    heightIn     FLOAT,
    weightLbs    FLOAT,
    sagAnniversaryDate DATE,
    PRIMARY KEY(aId)
);

CREATE TABLE movies(
    mId          TEXT NOT NULL,
    name         TEXT NOT NULL,
    yearReleased DATE,
    boxOfficeSalesDomUSD NUMERIC(10,2),
    boxOfficeSalesForUSD NUMERIC(10,2),
    homeVideoSalesUSD   NUMERIC(10,2),
    PRIMARY KEY(mId)
);

CREATE TABLE directors(
    dId          TEXT NOT NULL,
    name         TEXT NOT NULL,
    address      TEXT,
    filmSchool   TEXT,
    dgAnniversaryDate DATE,
    PRIMARY KEY(dId)
);
  
```

```

CREATE TABLE moviesToActors(
    mId          TEXT NOT NULL REFERENCES movies(mId),
    aId          TEXT NOT NULL REFERENCES actors(aId)
);
CREATE TABLE moviesToDirectors(
    mId          TEXT NOT NULL REFERENCES movies(mId),
    dId          TEXT NOT NULL REFERENCES directors(dId)
);

```

3.

```

--Directors--
INSERT INTO directors (dId,name,address,filmSchool,dgAnniversaryDate)
VALUES ('d001','Terence Young','dummy','data',current_date);

INSERT INTO directors (dId,name,address,filmSchool,dgAnniversaryDate)
VALUES ('d002','John McTiernan','dummy','data',current_date);

INSERT INTO directors (dId,name,address,filmSchool,dgAnniversaryDate)
VALUES ('d003','Steven Spielberg','dummy','data',current_date);

INSERT INTO directors (dId,name,address,filmSchool,dgAnniversaryDate)
VALUES ('d004','Guy Hamilton','dummy','data',current_date);

INSERT INTO directors (dId,name,address,filmSchool,dgAnniversaryDate)
VALUES ('d005','Chris Buck','dummy','data',current_date);

INSERT INTO directors (dId,name,address,filmSchool,dgAnniversaryDate)
VALUES ('d006','Jennifer Lee','dummy','data',current_date);

--Movies--
INSERT INTO movies
(mId,name,yearReleased,boxOfficeSalesDomUSD,boxOfficeSalesForUSD,homeVideoSalesUSD)
VALUES ('m001','Dr. No',current_date,13333.37,21.12,4107.00);

INSERT INTO movies
(mId,name,yearReleased,boxOfficeSalesDomUSD,boxOfficeSalesForUSD,homeVideoSalesUSD)
VALUES ('m002','The Hunt for Red October',current_date,13333.37,21.12,4107.00);

INSERT INTO movies
(mId,name,yearReleased,boxOfficeSalesDomUSD,boxOfficeSalesForUSD,homeVideoSalesUSD)
VALUES ('m003','Indiana Jones and the Last Crusade',current_date,13333.37,21.12,4107.00);

INSERT INTO movies
(mId,name,yearReleased,boxOfficeSalesDomUSD,boxOfficeSalesForUSD,homeVideoSalesUSD)
VALUES ('m004','Goldfinger',current_date,13333.37,21.12,4107.00);

INSERT INTO movies
(mId,name,yearReleased,boxOfficeSalesDomUSD,boxOfficeSalesForUSD,homeVideoSalesUSD)
VALUES ('m005','Frozen',current_date,13333.37,21.12,4107.00);

--Actors--
INSERT INTO actors
(aId,name,address,birthDate,hairColor,eyeColor,heightIn,weightLbs,sagAnniversaryDate)
VALUES ('a001','Sean Connery','Edinburgh, Scotland, UK','1930-8-25','white','brown',72,180,'1980-6-14');

```

```
INSERT INTO actors
(aId,name,address,birthDate,hairColor,eyeColor,heightIn,weightLbs,sagAnniversaryDate)
VALUES ('a002','Will Smith','Edinburgh, NotScotland, NotUK','1968-4-28','white','brown',72,180,'1980-6-14');
```

```
INSERT INTO actors
(aId,name,address,birthDate,hairColor,eyeColor,heightIn,weightLbs,sagAnniversaryDate)
VALUES ('a003','Hobbits','Isengard','2001-01-01','brown','brown',36,100,'2002-6-11');
```

```
INSERT INTO actors
(aId,name,address,birthDate,hairColor,eyeColor,heightIn,weightLbs,sagAnniversaryDate)
VALUES ('a004','Alan','IfKnownMustPerish','2012-07-07','brown','bluebrown',36,100,'2002-6-11');
```

```
INSERT INTO actors
(aId,name,address,birthDate,hairColor,eyeColor,heightIn,weightLbs,sagAnniversaryDate)
VALUES ('a005','Idina Menzel','Arendelle','1990-12-07','brown','bluebrown',36,100,'2002-6-11');
```

--Movies to Actors--

```
INSERT INTO moviesToActors(mId,aId)
VALUES ('m001','a001');
```

```
INSERT INTO moviesToActors(mId,aId)
VALUES ('m002','a001');
```

```
INSERT INTO moviesToActors(mId,aId)
VALUES ('m003','a001');
```

```
INSERT INTO moviesToActors(mId,aId)
VALUES ('m004','a001');
```

```
INSERT INTO moviesToActors(mId,aId)
VALUES ('m005','a005');
```

--Movies to Directors--

```
INSERT INTO moviesToDirectors(mId,dId)
VALUES ('m001','d001');
```

```
INSERT INTO moviesToDirectors(mId,dId)
VALUES ('m002','d002');
```

```
INSERT INTO moviesToDirectors(mId,dId)
VALUES ('m003','d003');
```

```
INSERT INTO moviesToDirectors(mId,dId)
VALUES ('m004','d004');
```

```
INSERT INTO moviesToDirectors(mId,dId)
VALUES ('m005','d005');
```

```
INSERT INTO moviesToDirectors(mId,dId)
VALUES ('m005','d006');
```

4. aId→(name, address, birthDate, hairColor, eyeColor, heightIn, weightLbs, sagAnniversaryDate)
mId→(name, yearReleased, boxOfficeSalesDomUSD, boxOfficeSalesForUSD, homeVideoSalesUSD)

dId→(name, address, filmSchool, dgAnniversaryDate)

5. .

```
SELECT directors.name
FROM moviesToActors
JOIN moviesToDirectors
ON moviesToActors.mId = moviesToDirectors.mId
JOIN directors
ON moviesToDirectors.dId = directors.dId
WHERE aId IN (SELECT aId FROM actors WHERE name = 'Sean Connery')
```