

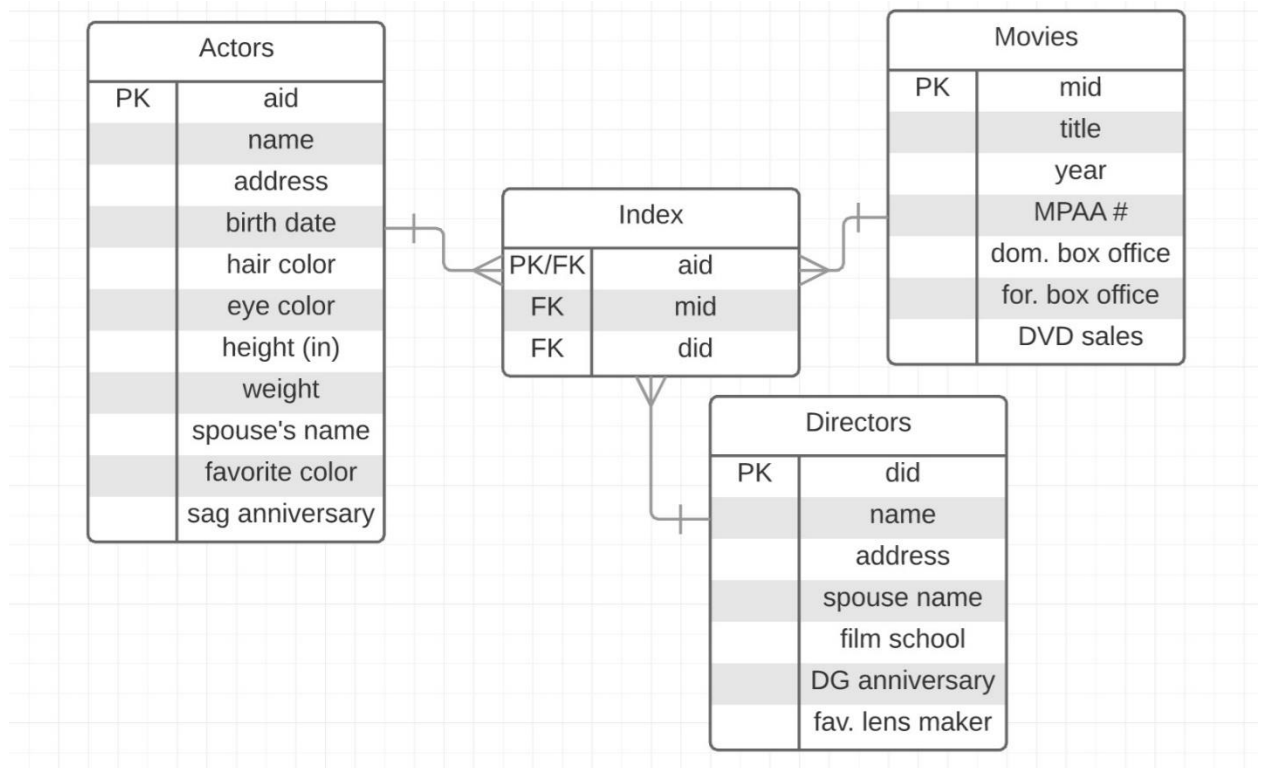
Lab 8

Database Management

4/13/16

Kelly Jones

1.



```
2. CREATE TABLE actors(  
    aid text not null,  
    name text not null,  
    address text,  
    birthday date not null,  
    hair color text,  
    eye color text,  
    height integer,  
    weight integer,  
    spouse name text,  
    favorite color text,  
    SAG annieversary date,  
    primary key(aid)  
);
```

```
CREATE TABLE movies(
    mid text not null,
    title text not null,
    year integer not null,
    MPAA# integer,
    domestic box office money,
    foreign box office money,
    DVD/Blu-ray sales money,
    primary key(mid)
);
```

```
CREATE TABLE directors(
    did text not null,
    name text not null,
    address text,
    spouse name text,
    film school text,
    DG anniversary date,
    favorite lens maker text,
    primary key(did)
);
```

```
CREATE TABLE index(
    aid text not null references actors(aid),
    mid text not null references movies(mid),
    did text not null references directors(did),
    primary key(aid,mid)
);
```

3. Functional Dependencies-

aid → name, birthday, hair color, eye color, height, weight, spouse name, favorite color, SGA anniversary
mid → title, year, MPAA#, domestic box office, foreign box office, DVD/Blu-ray sales
did → name, address, spouse, film school, DG anniversary, favorite lens maker

4. SELECT did
 FROM index
 WHERE aid in (SELECT aid
 FROM actors
 WHERE name = 'Keanu Reeves');