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--11/7/2014--

--lab 8 type thing--

drop table if exists actor;

drop table if exists director;

drop table if exists lineup;

drop table if exists movie;

drop table if exists people;

create table people(

        pid char(6) not null,

        name text,

        address text,

        DOB char(10),

        hair_colour text,

        heightINCHES char(5),

        weightUSA int,

        college text,

        primary key (pid)

);

create table actor(

        aid char(6) not null,

        pid char(6) not null references people (pid),

        actor_guild char(10),

        primary key (aid)

```sql
);

create table director(
        did char(6) not null,
        pid char(6) not null references people (pid),
        director_guild char(10),
        primary key (did)
);

create table movie(
        mid char(6) not null,
        name text,
        release_date char(10),
        domestic_salesUSD char (6),
        foreign_salesUSD char (6),
        dvd_bluray_salesUSD char (6),
        primary key (mid)
);

create table lineup(
        lid char(6) not null,
        mid char(6) not null references movie (mid),
        aid char(6) not null references actor (aid),
        did char(6) not null references director (did),
        primary key (lid)
);

--inserting data--
insert into people(pid, name, address, DOB, hair_colour, heightINCHES, weightUSA, college)
```

```sql
        values  ('p00001', 'Sean Connery', 'Scotland', '08-25-1930', 'brownish black', '74.50', '180',
'none'),

                ('p00002', 'Terence Young', 'France', '06-20-1915', 'brown', '60.00', '180', 'none'),

                ('p00003', 'Guy Hamilton', 'France', '09-16-1922', 'brown', '70.10', '200', 'none');


insert into actor(aid, pid, actor_guild)

        values  ('a00001', 'p00001', '1962');


insert into director(did, pid, director_guild)

        values  ('d00001', 'p00002', '1962'),

                ('d00002', 'p00003', '1964');


insert into movie(mid, name, release_date, domestic_salesUSD, foreign_salesUSD,
dvd_bluray_salesUSD)

        values  ('m00001', 'Dr. No', '10-05-1962', '16m', '43.5m', '0'),

                ('m00002', 'From Russia With Love', '10-10-1963', '24.8m', '54.1m', '0'),

                ('m00003', 'GoldFinger', '09-17-1964', '51.1m', '73.8m', '0');


insert into lineup(lid, mid, aid, did)

        values  ('l00001', 'm00001', 'a00001', 'd00001'),

                ('l00002', 'm00002', 'a00001', 'd00001'),

                ('l00003', 'm00003', 'a00001', 'd00002');



/*/functional dependencies
people   pid -> everything
actor    aid -> everything
director did -> everything
movie    mid -> everything
```

lineup   lid -> everything

/*/

--query--

```
select distinct p.name
from people p
inner join director d
        on p.pid = d.pid
inner join lineup l
        on d.did = l.did
inner join actor a
        on l.aid = a.aid
        and a.pid in (
                select pid
                from people
                where name = 'Sean Connery');
```

actor

aid
pid
actor_guild

people

pid
name
address
DOB
hair_colour
heightINCHES
weightUSA
college

movie

mid
name
release_date
domestic_salesUSD
foreign_salesUSD
dvd_bluray_salesUSD

lineup

lid
mid
aid
did

director

did
pid
director_guild