Database Management/Professor Labouseur Lab 8 Drop table MovieActors; Drop table MovieDirectors; Drop table Movies; Drop table Actors; Drop table Directors; Drop table People; Drop table if exists People; Create table People (pid serial primary key, FirstName text not null, LastName text not null, Address text not null); Drop table if exists Actors; Create table Actors (pid int primary key references people (pid), DateofBirth date not null, HairColor text not null,

3-29-16

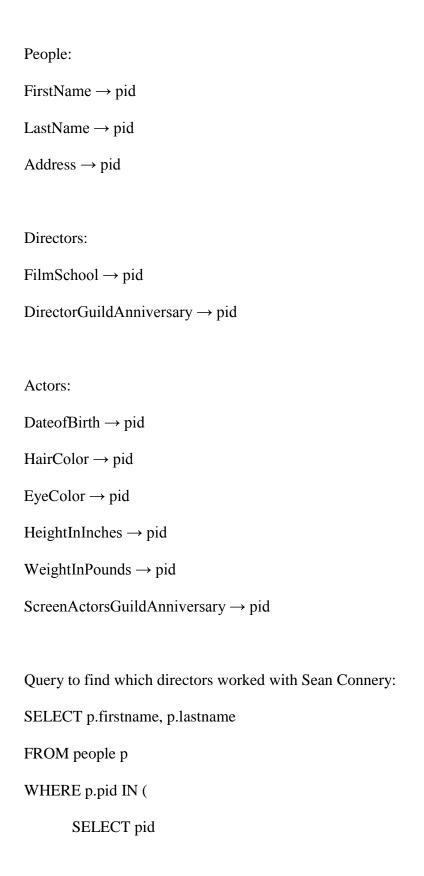
Peter Guggisberg

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EyeColor text not null,
HeightInInches int not null,
WeightInPounds int not null,
ScreenActorsGuildAnniversary date not null
);
Drop table if exists Directors;
Create table Directors (
pid int primary key references people (pid),
FilmSchool text,
DirectorsGuildAnniversary date not null
);
Drop table if exists Movies;
Create table Movies (
mid serial primary key,
Name text not null,
YearReleased int not null,
DomesticSales money not null,
ForeignSales money not null,
DVDSales money not null
);
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Drop table if exists MovieActors;
Create table MovieActors (
pid int references people (pid),
mid int references movies (mid),
primary key (pid,mid)
);
Drop table if exists MovieDirectors;
Create table MovieDirectors (
pid int references people (pid),
mid int references movies (mid),
primary key (pid,mid)
);
INSERT INTO People (FirstName, LastName, Address)
VALUES:
('Sean', 'Connery', '9830 Wilshire Blvd. Beverly Hills, CA 90212'),
('Daniel', 'Craig', '666 Who Cares Rd. Somewhere, CA 12345'),
('Brad', 'Pitt', '9150 Wilshire Blvd. Suite 350 Beverly Hills, CA 90212'),
('Jeff'', 'Goldblum', '955 S. Carrillo Drive Suite 300 Los Angeles, CA 90048'),
('John', 'Stamos', '9601 Wilshire Blvd. 3rd floor Beverly Hills, CA 90212'),
('Guy', 'Hamilton', '5 Goldfinger Drive CA 90212'),
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('Woody', 'Allen', '202 Indian Meadow Drive Northborough, MA 01532'),
('Christopher', 'Nolan', '7 Dark Knight Street, NY 12345');
INSERT INTO Actors (pid, DateofBirth, HairColor, EyeColor, HeightInInches,
WeightInPounds, ScreenActorsGuildAnniversary)
VALUES:
('1', 'aug-25-1930', 'grey', 'brown', '74', '200', 'feb-01-1970'),
('2', 'mar-02-1968', 'brown', 'blue', '70', '170', 'feb-02-1970'),
('3', 'dec-18-1963', 'brown', 'blue', '71', '180', 'feb-03-1970'),
('4', 'oct-22-1952', 'brown', 'brown', '76', '185', 'feb-04-1970'),
('5', 'aug-19-1963', 'brown', 'blue', '72', '175', 'feb-05-1970'),
('7', 'dec-1-1935', 'grey', 'brown', '65', '110', 'feb-07-1970');
INSERT INTO Directors (pid, FilmSchool, DirectorsGuildAnniversary)
VALUES:
('6', 'null', 'feb-06-1973'),
('7', 'City College of New York', 'feb-07-1973'),
('8', 'Haileybury and Imperial Service College', 'feb-01-1973');
INSERT INTO Movies (Name, YearReleased, DomesticSales, ForeignSales, DVDSales)
VALUES:
('Goldfinger', '1964', '$51081062.00', '$73800000.00', '$51081062.00'),
('Oceans Eleven', '2001', '$183405771.00', '$267311379.00', '$51081062.00'),
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('The Dark Knight', '2008', '$533345358.00', '$469546000.00', '$262700444.00'),
('Blue Jasmine', '2013', '$32218246.00', '$30033764.00', '$51081062.00'),
('Casino Royale', '1967', '$22744718.00', '$19000000.00', '$51081062.00');
INSERT INTO MovieDirectors (pid, mid)
VALUES:
(6,1),
(8,3),
(7,4);
INSERT INTO MovieActors (pid, mid)
VALUES:
(1,1),
(3,2),
(7,5),
(2,5);
Functional Dependencies:
Movies:
Name \rightarrow mid
YearReleased → mid
DomesticSales → mid
ForeignSales → mid
DVDSales \rightarrow mid
```



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FROM directors
      WHERE pid IN (
            SELECT pid
            FROM moviedirectors
            WHERE mid IN (
                  SELECT mid
                  FROM movieactors
                  WHERE pid IN (
                        SELECT pid
                        FROM actors
                        WHERE pid IN (
                              SELECT pid
                              FROM people
                              WHERE firstname = 'Sean' and lastname = 'Connery')
                                )
                          )
                    )
              );
E-R Diagram:
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