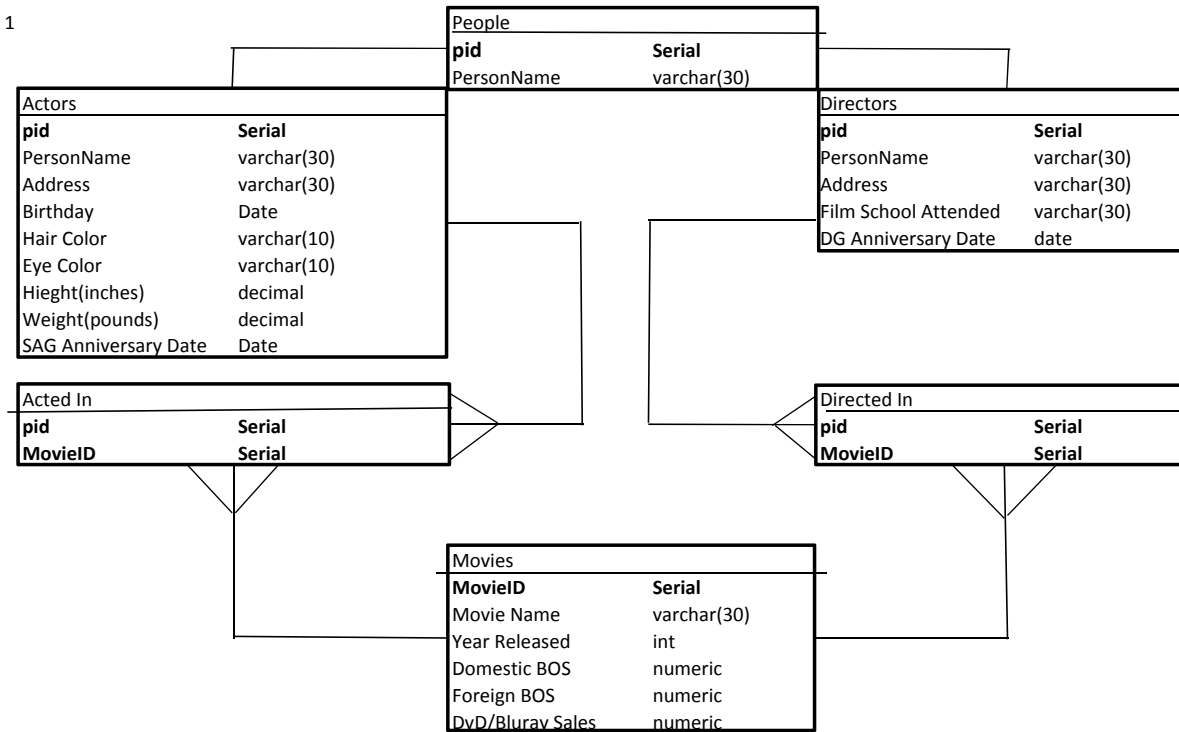


1



```
1 DROP TABLE IF EXISTS People;
2 CREATE TABLE People (
3   PID serial NOT NULL,
4   personName VarChar(30) NOT NULL,
5   Primary Key(PID)
6 );
7
8 DROP TABLE IF EXISTS Actors;
9 CREATE TABLE Actors (
10  PID serial NOT NULL References People (PID),
11  personName VarChar(30) References People (personName),
12  address varchar(30),
13  birthDate date NOT NULL,
14  hairColor VarChar(10),
15  eyeColor VarChar(10),
16  height decimal NOT NULL,
17  weight decimal NOT NULL,
18  SAGAnniversary date,
19  Primary Key(PID)
20 );
21
22 DROP TABLE IF EXISTS Directors;
23 CREATE TABLE Directors (
24  PID serial not null References People (PID),
25  personName VarChar(30) References People (personName),
26  address varchar(255),
27  filmSchool varchar(30) not null,
28  DGAnniversary date,
29  Primary Key(PID)
30 );
31
32
33 DROP TABLE IF EXISTS Movies;
34 CREATE TABLE Movies (
35  movieID SERIAL NOT NULL,
36  movieName varchar(30) NOT NULL,
37  yearReleased int NOT NULL,
38  domesticBOS numeric(10) NOT NULL,
39  foreignBOS numeric(10) NOT NULL,
40  dvdBluraySales numeric(10) NOT NULL,
41  Primary Key (movieID)
42 );
43
44 DROP TABLE IF EXISTS DirectedIn;
45 CREATE TABLE DirectedIn (
46  PID serial not null References Directors (PID),
47  movieID serial not null References Movies (movieID),
48  Primary key (PID,movieID)
49 );
50
51 DROP TABLE IF EXISTS ActedIn;
52 CREATE TABLE ActedIn (
53  PID serial not null References Actors (PID),
54  movieID serial not null References Movies (movieID),
55  Primary key (PID,movieID)
56 );
```

```
57
58
59
60 --People (actors)
61 INSERT INTO People(personName)
62     VALUES(' Daniel Craig ');
63 INSERT INTO People(personName)
64     VALUES(' Matt Damon ');
65 INSERT INTO People(personName)
66     VALUES(' Christian Bale ');
67 INSERT INTO People(personName)
68     VALUES(' George Clooney ');
69 INSERT INTO People(personName)
70     VALUES(' Mila Kunis ');
71
72 --(directors)
73 INSERT INTO People(personName)
74     VALUES(' Alfred Hitchcock ');
75 INSERT INTO People(personName)
76     VALUES(' Clint Eastwood ');
77 INSERT INTO People(personName)
78     VALUES(' Tim Burton ');
79 INSERT INTO People(personName)
80     VALUES(' Mel Gibson ');
81 INSERT INTO People(personName)
82     VALUES(' Steven Spielberg ');
83
84
85 --ACTORS
86 INSERT INTO
87     Actors(PID, personName, address, birthDate, hairColor, eyeColor, height, weight, SAGAnniversary)
88     VALUES(1, ' Daniel Craig ', ' 007 For Real
89     Lane', ' 1950-12-07', ' brown', ' blue', 74, 180, 1970-03-05);
90 INSERT INTO
91     Actors(PID, personName, address, birthDate, hairColor, eyeColor, height, weight, SAGAnniversary)
92     VALUES(2, ' Matt Damon ', ' 02 Supremacy
93     Drive', ' 1975-04-04', ' blonde', ' blue', 69, 170, 1990-02-01);
94 INSERT INTO
95     Actors(PID, personName, address, birthDate, hairColor, eyeColor, height, weight, SAGAnniversary)
96     VALUES(3, ' Christian Bale ', ' 01 Batcave
97     Court', ' 1973-03-10', ' black', ' brown', 72, 175, 1988-05-30);
98 INSERT INTO
99     Actors(PID, personName, address, birthDate, hairColor, eyeColor, height, weight, SAGAnniversary)
100     VALUES(4, ' George Clooney ', ' 54 Good Movies
101     Dr.', ' 1950-12-07', ' gray', ' green', 73, 200, 1970-11-24);
102 INSERT INTO
103     Actors(PID, personName, address, birthDate, hairColor, eyeColor, height, weight, SAGAnniversary)
104     VALUES(5, ' Mila Kunis ', ' 10 Perfect Dime
105     Lane', ' 1973-12-07', ' black', ' blue', 65, 112, 1990-12-25);
106
107
```

```
98  --Directors
99  INSERT INTO Directors(PID, personName, address,
100    filmSchool, DGAnniversary)
101    VALUES(6, 'Alfred Hitchcock', '24 I have No Idea Drive', 'Newpal tz
Community College', '1974-11-09');
102  INSERT INTO Directors(PID, personName, address,
103    filmSchool, DGAnniversary)
104    VALUES(7, 'Clint Eastwood', '17 Get Off My Lawn Lane', 'Academy of
Being Badass', '1950-7-07');
105  INSERT INTO Directors(PID, personName, address,
106    filmSchool, DGAnniversary)
107    VALUES(8, 'Tim Burton', '1031 Halloween Dr.', 'School of Being
Strange', '1990-04-20');
108  INSERT INTO Directors(PID, personName, address,
109    filmSchool, DGAnniversary)
110    VALUES(9, 'Mel Gibson', '43 Passion Court', 'Marist
College', '2013-11-03');
111  INSERT INTO Directors(PID, personName, address,
112    filmSchool, DGAnniversary)
113    VALUES(10, 'Steven Spielberg', '1 of the Best Movies', 'Mo Money
University', '1992-05-10');
114
115  --MOVIES
116  INSERT INTO Movies(movieName, yearReleased, domesti cBos, forei gnBOS,
dvdBI uraySal es)
117    VALUES('Casino Royale', 2008, 999999999, 89234234, 8980923);
118  INSERT INTO Movies(movieName, yearReleased, domesti cBos, forei gnBOS,
dvdBI uraySal es)
119    VALUES('Bourne Identity', 2005, 809812376, 827931234, 801293642);
120  INSERT INTO Movies(movieName, yearReleased, domesti cBos, forei gnBOS,
dvdBI uraySal es)
121    VALUES('Batman Begins', 2006, 809912342, 87980123, 723610234);
122  INSERT INTO Movies(movieName, yearReleased, domesti cBos, forei gnBOS,
dvdBI uraySal es)
123    VALUES('Oceans Thirteen', 2009, 8791234841, 41240985, 71024612);
124  INSERT INTO Movies(movieName, yearReleased, domesti cBos, forei gnBOS,
dvdBI uraySal es)
125    VALUES('Ted', 2012, 891234412, 812409871, 62481761);
126
127  --Acted In
128  INSERT INTO actedIn (PID, movieID)
129    VALUES(1, 5);
130  INSERT INTO actedIn (PID, movieID)
131    VALUES(2, 4);
132  INSERT INTO actedIn (PID, movieID)
133    VALUES(3, 5);
134  INSERT INTO actedIn (PID, movieID)
135    VALUES(4, 1);
136  INSERT INTO actedIn (PID, movieID)
137    VALUES(1, 4);
138
139  --Directed IN
140  INSERT INTO DirectedIn (PID, movieID)
141    VALUES(6, 3);
```

```
139 INSERT INTO DirectedIn (PID, movieID)
140     VALUES(6, 1);
141 INSERT INTO DirectedIn (PID, movieID)
142     VALUES(8, 4);
143 INSERT INTO DirectedIn (PID, movieID)
144     VALUES(9, 5);
145 INSERT INTO DirectedIn (PID, movieID)
146     VALUES(10, 5);
```

```
1  Functional Dependancies
2
3  Item Name          Depends on:
4
5  (people table)
6  personName         pid
7
8
9  (Actors Table)
10
11 personName          pid
12 address             pid
13 birthDay            pid
14 hairColor           pid
15 eyeColor            pid
16 height              pid
17 weight              pid
18 SAGAnniversary      pid
19
20
21 (Directors Table)
22
23 personName          pid
24 address             pid
25 filmSchoolAtt       pid
26 DGAnniversary       pid
27
28 (Acted in Table)
29
30                     pid
31                     movieID
32
33 (Directed in Table)
34
35                     pid
36                     movieID
37
38 (Movies Table)
39
40 movieName           movieID
41 yearReleased        movieID
42 domesticBOS         movieID
43 foreignBOS          movieID
44 dvdBluraySales      movieID
45
46
47
48 --Query
49 SELECT DISTINCT Directors.personName
50 From Directors
51 WHERE Directors.pid on (
52     SELECT DirectedIn.pid
53     FROM DirectedIn
54     WHERE movieID on (
55         SELECT ActedIn.movieID
56         FROM ActedIn
```

```
57 WHERE ActedIn.pid on (  
58 SELECT People.pid  
59 FROM People  
60 WHERE People.personName =' Sean Connery' )))  
61
```