2 & 3

-- movie --

```sql
CREATE TABLE movie (
  mid                char(4) not null,
  name               text,
  yearreleased       numeric(4),
  domesticsales    int,
  foreignsales      int,
  DVDBluraysales  int,
  primary key(mid)
);
```

-- people --

```sql
CREATE TABLE people (
  pid                char(4) not null,
  firstname          text,
  lastname           text,
  address          text,
  primary key(pid)
);
```

-- moviedirectors --

```sql
CREATE TABLE moviedirectors (
  mid      char(4) not null references movie(mid),
  pid    char(4) not null references people(pid),
  primary key(pid, mid)
);
```

-- movieactors --

```sql
CREATE TABLE movieactors (
```

```
    mid        char(4) not null references movie(mid),

    pid     char(4) not null references people(pid),

    primary key(pid, mid)

);


-- directors --

CREATE TABLE directors (

    pid                       char(4) not null references people(pid),

    filmschoolattended        text,

    directorsguildanndate     date,

    primary key(pid)

);


-- actors --

CREATE TABLE actors (

    pid                       char(4) not null references people(pid),

    birthdate                 date,

    haircolor                 text,

    eyecolor                  text,

    heightinches              integer,

    weightpounds              integer,

    screenguildanndate        date,

    primary key(pid)

);


-- movie values --

INSERT INTO movie( mid, name, yearreleased, domesticsales, foreignsales, DVDBluraysales )

    VALUES('m001', 'Skyfall', 2012, 200000, 100000, 10000);

INSERT INTO movie( mid, name, yearreleased, domesticsales, foreignsales, DVDBluraysales )

    VALUES('m002', 'Live Free or Die', 1969, 200000, 100000, 10000);

INSERT INTO movie( mid, name, yearreleased, domesticsales, foreignsales, DVDBluraysales )
```

```sql
 VALUES('m003', 'A New Hope', 1979, 300000, 200000, 5000);

INSERT INTO movie( mid, name, yearreleased, domesticsales, foreignsales, DVDBluraysales )

 VALUES('m004', 'Goldfinger', 1972, 500000, 20000, 7000);

INSERT INTO movie( mid, name, yearreleased, domesticsales, foreignsales, DVDBluraysales )

 VALUES('m005', 'Die Hard', 2002, 10000, 6000, 100000);


-- people values --

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p001', 'Daniel', 'Craig', '123 Sesame St');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p002', 'Sean', 'Connery', '4 Hollywood Blvd');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p003', 'Liam', 'Neeson', '4 Beverly Hills');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p004', 'Steven', 'Spielberg', '4 Central Park');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p005', 'Mel', 'Gibson', '42 Wallaby Lane');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p006', 'George', 'Lucas', '86 Star wars Ave');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p007', 'Christopher', 'Nolan', '3 81st Street');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p008', 'Roger', 'Moore', '5 Carolina Way');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p009', 'David', 'Finch', '89 Lonely Ave');

INSERT INTO people( pid, firstname, lastname, address )

 VALUES('p010', 'Johnny', 'Depp', '86 Clare Ave');


-- movie directors --

INSERT INTO moviedirectors( mid, pid )

 VALUES('m001', 'p005');
```

```sql
INSERT INTO moviedirectors( mid, pid )
  VALUES('m002', 'p004');
INSERT INTO moviedirectors( mid, pid )
  VALUES('m002', 'p005');
INSERT INTO moviedirectors( mid, pid )
  VALUES('m003', 'p006');
INSERT INTO moviedirectors( mid, pid )
  VALUES('m004', 'p007');
INSERT INTO moviedirectors( mid, pid )
  VALUES('m005', 'p009');


-- movie actors --
INSERT INTO movieactors( mid, pid )
  VALUES('m001', 'p001');
INSERT INTO movieactors( mid, pid )
  VALUES('m002', 'p002');
INSERT INTO movieactors( mid, pid )
  VALUES('m002', 'p003');
INSERT INTO movieactors( mid, pid )
  VALUES('m003', 'p010');
INSERT INTO movieactors( mid, pid )
  VALUES('m004', 'p007');
INSERT INTO movieactors( mid, pid )
  VALUES('m005', 'p003');


-- directors --
INSERT INTO directors( pid, filmschoolattended, directorsguildanndate )
  VALUES('p004', 'Harvard', '1990-03-26');
INSERT INTO directors( pid, filmschoolattended, directorsguildanndate )
  VALUES('p005', 'Yale', '1992-05-22');
INSERT INTO directors( pid, filmschoolattended, directorsguildanndate )
```

VALUES('p006', 'UConn', '2001-07-01');

INSERT INTO directors(pid, filmschoolattended, directorsguildanndate)

 VALUES('p007', 'Cornell', '1979-06-24');

INSERT INTO directors(pid, filmschoolattended, directorsguildanndate)

 VALUES('p009', 'Marist', '2005-11-14');

-- actors --

INSERT INTO actors(pid, birthdate , haircolor, eyecolor, heightinches, weightpounds, screenguildanndate)

 VALUES('p001', '1970-05-22', 'blonde', 'blue', 68, 178, '1990-07-21');

INSERT INTO actors(pid, birthdate , haircolor, eyecolor, heightinches, weightpounds, screenguildanndate)

 VALUES('p002', '1960-07-29', 'brown', 'brown', 58, 156, '1980-07-05');

INSERT INTO actors(pid, birthdate , haircolor, eyecolor, heightinches, weightpounds, screenguildanndate)

 VALUES('p003', '1970-08-28', 'black', 'green', 72, 186, '2001-04-20');

INSERT INTO actors(pid, birthdate , haircolor, eyecolor, heightinches, weightpounds, screenguildanndate)

 VALUES('p007', '1969-11-22', 'brown', 'brown', 62, 169, '1989-07-21');

INSERT INTO actors(pid, birthdate , haircolor, eyecolor, heightinches, weightpounds, screenguildanndate)

 VALUES('p010', '1965-03-28', 'red', 'blue', 66, 179, '1990-07-21');

4. Movie actors pid depends on People pid

   Movie actors mid depends on Movies mid

          Movie directors pid depends on people pid

          Movie directors mid depends on people mid

          Actors pid depends on people pid

          Directors pid depends on people pid

5. Select firstname, lastname

from people

where pid in(Select pid

          from moviedirectors

          where mid in(Select mid

                    from movie

                    where mid in(Select mid

```sql
from movieactors
where mid in (Select mid
              from movieactors
              where pid in (Select pid
                            from people
                            where firstname = 'Sean'
                            and   lastname = 'Connery')))));
```